

CEREMONY REPORT

FOR

**THE DENISON BRIDGE
BATHURST**

SUNDAY 5TH NOVEMBER 1995



*The 1870 Denison Bridge over the Macquarie River, Bathurst with I E Aust banners,
viewed from the ceremony site Berry Park.*



I E Aust Councillor Graham Priddle was Master of Ceremony.



The ceremony set up in Berry Park, Bathurst.



Local historian Theo Barker described the significance of the bridge to Bathurst.



Councillor Gordon Crisp, Bathurst City Council, spoke about plans to retain the bridge.



Liz Taylor, Vice President of Sydney Division I E Aust declared the bridge to be an Historic Engineering Marker.



Theo Barker, Councillor Crisp and Liz Taylor about to unveil the plaque.



The plaque unveiled.



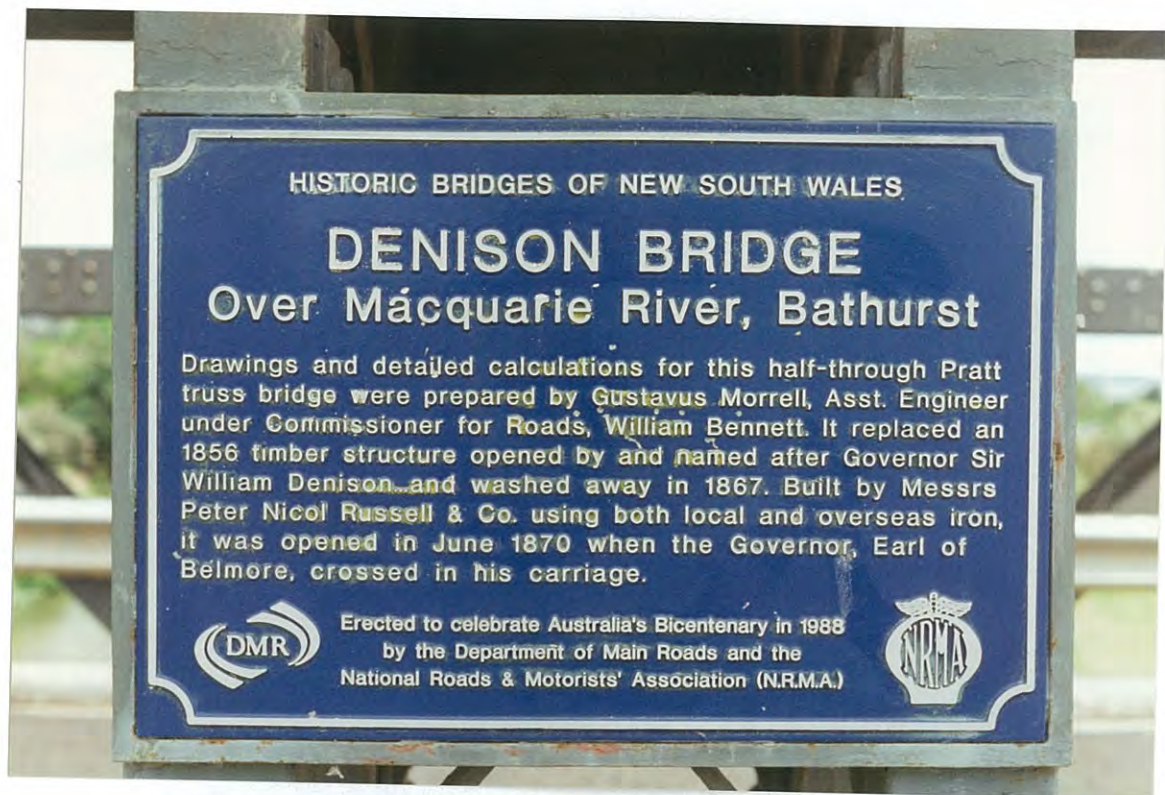
Guests from the ceremony inspected the Denison Bridge.



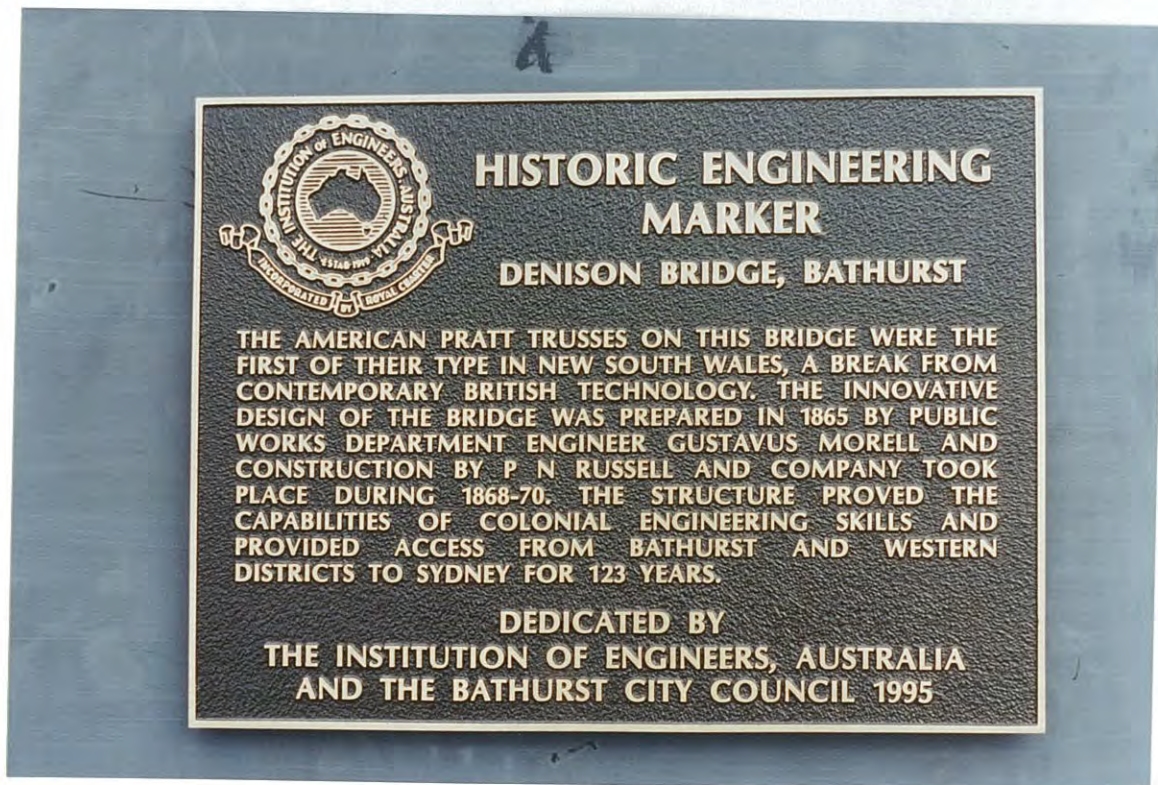
VIP group in middle of the bridge, Mike Clarke (engineering Heritage I E Aust), Theo Barker, Liz Taylor, Councillor Crisp, Ray Wedgwood (Chief Bridge Engineer R T A) and Graham Priddle.



The original maker's plate is still on the bridge.



The bicentennial plaque, above, and the I E Aust plaque below.

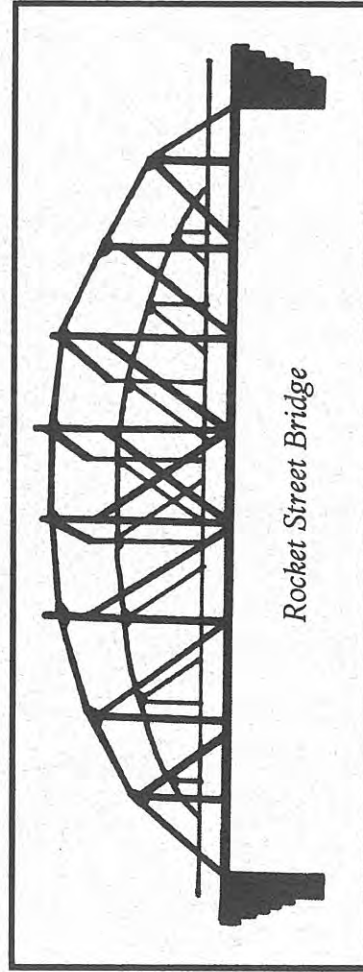


BATHURST'S OTHER COLONIAL BRIDGES

Ranken's Bridge, originally a private project by George Ranken, was first built in 1859 to cross the Macquarie river and link Bathurst to Eglinton and it's surrounding farming country. Like the Denison Bridge, it was also washed away by the 1867 flood and later rebuilt by the Government. The present British, "Old PWD" design timber truss bridge has been in use since 1920.

Rocket Street Bridge, an American style, large span, iron Pratt truss bridge was built after lengthy dispute over the bridge's design. Completed in 1889, it spans the railway yard at Rocket Street, providing uninterrupted traffic over the rail line and giving greater access to South Bathurst, Perthville and outlying areas.

The Railway Bridge is of a typically British iron Lattice girder design and is the oldest of it's type in the railway system. It opened in 1876 when rail came to Bathurst and like the Denison and Ranken's bridge, spans the Macquarie river.



Rocket Street Bridge

This leaflet was researched and written by Sally Finlay, Applied History student, Charles Sturt University, on behalf of The Institution of Engineers, Australian and Bathurst City Council.

Denison Bridge over Macquarie River Bathurst - Heritage Assessment, by Dr. Don Fraser, which was of great assistance in compiling this leaflet.



The
Institution
of Engineers,
Australia

Official Ceremony for the Commemoration of:

HISTORIC DENISON BRIDGE

1870

Berry Park, Sunday 5th November, 1995



"A work for which there had been a crying need ever since 1815"

As Bathurst transformed from a government outpost to a leading provincial centre, greater access to the town was essential for growth, but the Macquarie River stood in the way of progress. This troublesome river was difficult to cross in low water, had a limited service by punt when high, and would cut off the town completely in flood. Only a bridge could link Bathurst to the east and help establish settlement west of the Great Dividing Range.

Gateway to the West

In the space of a decade, 1841 to 1851, the population of Bathurst had almost doubled from 3,500 to 6,500. This growth expanded the township and put pressure on existing infrastructure.

Local industry suffered from poor communication and transport, with production limited to local markets. The long and expensive journey to Sydney was afforded only by the wool industry which enjoyed high prices and on which the local economy relied. All this was to change with the nearby discovery of payable gold in 1851, an event that ensured the construction of a bridge over the Macquarie River. Initially Bathurst gained little from the goldrush because the road to the goldfields at Sofala turned north at Kelso, bypassing Bathurst, and there was no easy way to cross the river. Clearly a bridge linking Bathurst was crucial if it was to become a prosperous and dynamic town of the goldrush era.

In February 1854 a public meeting was held in support of a bridge to cross the Macquarie. By April that year the government was behind the people of Bathurst and a site was selected. Construction began in January 1855 and the bridge was opened a year later by the Governor Sir William Denison, whose name the bridge still bears. With the bridge complete, the road to Sydney improving and rail making its way westward, Bathurst, the well established rural centre became, and remains, the "Gateway to the West".

A Unique Asset

Bathurst has a rich colonial history as reflected in its architecture, a feature for which the city is renowned. This same history can be found in its engineering infrastructure - the roads, bridges and railway that have facilitated development and growth of this once remote outpost.

Classified by the National Trust and listed on the Register of the National Estate, the 1870 Denison Bridge is high in heritage significance having been of enormous social benefit to the people of Bathurst and New South Wales.

Picture of Macquarie River at Kelso

"A highly important addition to our list of Public Works"

The 1856 Denison Bridge was of the laminated timber arch style, designed by Colonial Architect, William Weaver. This bridge served Bathurst well until 1867 when the Macquarie River flooded and sent it afloat. Rebuilt in 1870, the new bridge was opened by the Governor, The Earl of Belmore, but kept the name of the original Bridge. The Commissioner for Roads at the time, W.C. Bennett, decided on a high level metal Pratt truss design for the 1870 bridge. In a move away from British technology, Bennett chose this American design for economic and political reasons. It was sound long term economic management to build large, durable bridges and better roads. In this way the government assisted the flow of wealth from Bathurst eastward to Sydney, not south to Melbourne. Large scale public works by the Sydney based government was good politics as it showed country areas they were important to the colony's development.

A First for Australia

As well as having great social implications, the construction of the Denison Bridge was highly significant in terms of engineering. Built in the American Pratt design, the bridge was the first of its kind in Australia at a time when British technology dominated. The Denison bridge marked a departure from British engineering methods, with the Pratt truss used widely after the 1860s.

An important feature in the design of the 1870 bridge is how designer G.A. Morrell overcame a problem common to structural engineering-lateral buckling. By using an I-shape beam horizontally, so that its natural strength against bending and buckling is in the horizontal plane where lateral buckling takes place, Morrell provided a practical solution to the problem.

In line with government policy of the era, Morrell's design was such that materials and skills for the bridge's construction were local. Iron bars were supplied by the Fitzroy Iron Works, structural shapes were formed from then at the Pyrmont Rolling Mills and the fabrication and erection was carried out by Sydney building company P.N. Russell & Co. As a result the government could produce public works for less time and money than imported work. For growing inland areas like Bathurst, this meant that a bridge, the quality of the 1870 Denison Bridge, was feasible. In use up until 1992 when it was made redundant by Evans Bridge, the Denison Bridge has a service life of 123 years. Such a long working life is due to the men responsible for the construction of the bridge - Commissioner W.C. Bennett, designer G.A. Morrell and builder P.N. Russell. They and their work have an honoured place in the engineering heritage of New South Wales.

BATHURST'S INDUSTRIAL HERITAGE

*** FROM GOLD RUSH TO RAILWAY ***

It was the discovery of gold in the Bathurst area in 1851 which opened the way for the industrialisation of Bathurst. The 1861 census shows 12,616 people in the Bathurst Police District. Bathurst by the late 19th century included commercial houses, hotels, flour mills, Muggeridge Timber Mill in Rankin St, breweries from 1840, George Fish Foundry, Cobb & Co coach building, brick works, foundries, cordial factories, blacksmiths and a steam laundry.

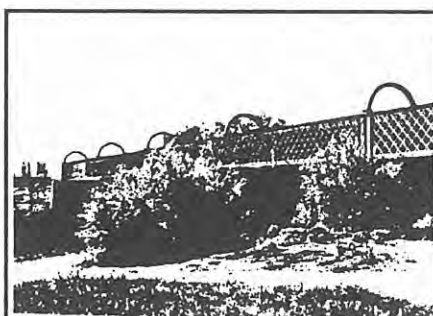
Proceed from Information Centre left on the highway towards Sydney, past the showground.

The present **DENISON BRIDGE** (1) was built in 1870, replacing an earlier bridge lost in the flood of 1867. (pamphlet available) It is classified by the National Trust and is on the Register of the National Estate. In a colony using British bridge technology, this was the first example of a new bridge technology, invented by an American, Pratt, widely used in the colony after the 1860s. Three of the original lamp standards from the bridge are now displayed at "Old Government Cottage", No. 1 George St, Bathurst.

Return to Havannah Street, turn left into Bryant Street -

A campaign began in the 1850s to bring the railway to Bathurst. The **RAILWAY BRIDGE** (2) over the Macquarie River was opened on 4th April 1876 and is an iron lattice girder bridge, using Warren trusses, originating in Britain and commonly used in the colony. It has supplementary transverse arches joining the tops of the lattice trusses to prevent buckling. This is the oldest

example of this type of bridge technology still in use in the NSW railway system.



1876 RAILWAY BRIDGE (2)
with iron lattice girders

Proceed up Howick Street, and on the left -

The **DAIRY FARMERS** building (3) was built in 1901 and was originally run by Bathurst Dairy Company as a butter factory. The building was used for a short time as a wool scour, before being purchased by Dairy Farmers Co. Ltd and is still in use by them today.

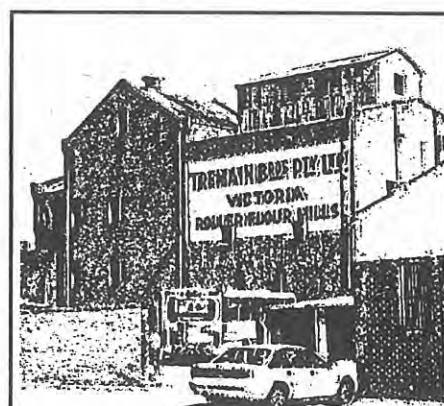
Turn left into Bentinck Street, left into Russell Street, and under the Railway Line -

In 1872 Wark Bros operated Bathurst's first coke oven gas works in Charlotte St, but the gas was of poor quality and very expensive. Wark Bros asked Council to purchase their works for the exorbitant price of £48,000. The passing of the Municipal Gas Act in 1884 enabled the council to build their own **GAS WORKS** (4). The lowest site in town was required to enable the gas to rise naturally, through pipes, to the heights of the town. A site in Lower Russell St, previously used as Blunden's Tallow and Candle Factory, was purchased. The works opened in 1888 and was the first municipally owned

gas works in Australia. Local contractors, Rigby Bros of Sunny Corner, built the present gasometer in 1892 for £2,197. The council eventually bought the equipment from Wark Bros in 1914. The existing retort house, which separated the gas from the coke, was built in 1958, but is now in disrepair.

Return to Havannah Street, turn left -

On the right is the **VICTORIA MILL** (5) purchased by William Tremain from Mr. F.W. Smith in 1874 for £1600. It is of brick Victorian industrial architecture. Tremain had previously run a small mill called "Crealey's Mill" and another at "Rainham" at Queen Charlotte's Vale. One of the **FRENCH BURR MILL STONES** (6) used in the Rainham Mill from 1868-1873 can be seen at the Victoria Mill entrance in Keppel St. The mill continued in the Tremain family for four generations, until sold to Fielder's Ltd in the 1980s and it ceased to operate as a flour mill. Six of the original grinding stones lie underneath the present dock of the mill. In 1895 these mill stones were replaced by steel rollers.



TREMAIN BROS PTY LTD
VICTORIA FLOUR MILL (5)
from Havannah Street

A connecting rail line was built in 1905. The rail trucks were shunted to and from the mill by horse, and later by steam locomotive. The end of the line can be seen in Havannah St in the **RAILWAY YARDS** (7).

Turn left into the Railway Station area.

The advent of the railway to Bathurst provided work for many people and changed the face of industry in the town. It increased productivity but also made many existing industries obsolete, such as coach building. It made communications faster, bringing to an end the Cobb & Co era. But the change was at a cost. Local flour mills became uneconomical and many closed down, along with secondary engineering industries.

The **RAILWAY STATION** (8) was opened, along with the bridge and line as far as Bathurst, on 4th April 1876 by the Colonial Secretary, Sir Hercules Robinson. The station is a single story brick building with stone bay windows and dressings in a Jacobean/Gothic/Tudor Revival style of architecture. Note the Gothic timber verandah posts, stone Tudor chimneys, steeply pitched slate roof with dormer vents, and articulated stone quoins. The station building and the Station Masters residence is on the Register of the National Estate and is listed by the National Trust. Additions on the right hand side of the station in 1883 are sympathetic in style, but those on the left hand side are not symmetrical.

The **BRICK ARCHED TUNNEL** (9) connecting Platforms One and Two has stone stairways flanked by brick walls with stone copings.

The Gothic **STATION MASTER'S RESIDENCE** (10) and the steam locomotive driven by Ben Chifley stand within the railway complex.

Continue up Havannah Street and left into lower Piper Street -

One of the few remaining flour mill buildings in Bathurst is the **FRANCIS CRAGO & SONS PTY LTD MILL** (12). Crago began the National Flour Mills in Lambert St in the 1850s, but moved to these premises in Lower Piper St in 1904, adjacent to the railway. In 1904 it produced 3000 bags of flour, of 150 lbs each, of a brand named "Snowdrift". The new mill was renamed the Hibernian Mills and is of brick Victorian industrial architecture. The external sack hoist survives on the western end. The southern side corrugated iron roof still has the "Crago" emblem on it, visible from lower Lambert St.

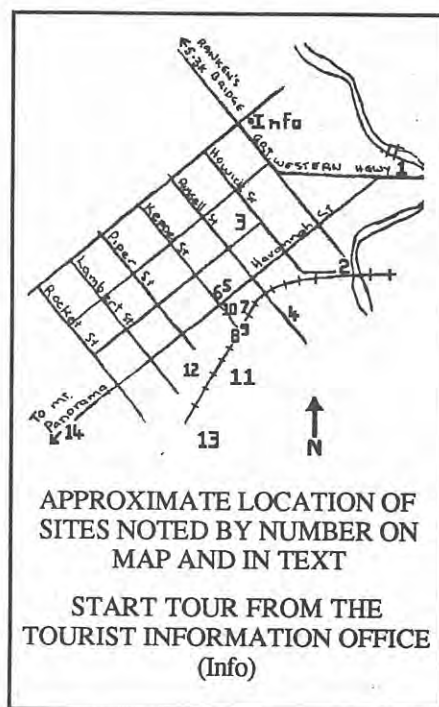
Continue up Havannah Street, turn left into Rocket Street -

The **ROCKET STREET RAILWAY BRIDGE** (13) is a large span Pratt truss bridge built over the railway yards in 1889 at a cost of £2,939, with a polygonal or "hogs back" top chord. It is classified as a "through" bridge in which the main trusses are tall enough that horizontal cross-bracing can be incorporated - like a tunnel with open sides. The two railway bridges and the **TRACK LAYOUT** (11) give a 19th century character to this historically significant area.

Return to Havannah Street and continue up to Mt. Panorama to the Karingal Gold Diggings -

LAYCOCK'S ENGINEERING (14) is a blacksmith's shop preserved at the Gold Diggings Museum, having been relocated there as a bi-centenary project by students from the Sydney College of Education, who also catalogued the building and its original artifacts. The building was built in 1862 by Henry Anderson, a blacksmith, at 108 Seymour St in the industrial hub of Bathurst's Milltown. (pamphlet available) Thomas Laycock purchased the business

in 1889, and the engineering shop was added. Joseph Laycock continued the business with his sons and they were well known throughout the country for their construction of grain elevators and conveyors designed for loading bagged grain. Both Tremain and Crago Mills used Laycock elevators. The preservation of Laycock's Engineering as a museum presents a continuing memorial to the transitions of Bathurst's industrial heritage.



This leaflet was researched and written by Heather Saunders, Applied History student, Charles Sturt University, on behalf of the Bathurst and District Branch of the National Trust of NSW, Bathurst City Council and The Institution of Engineers, Australia.

For more information on local National Trust activities, visit Miss Traill's House, 321 Russell St, Bathurst. Open daily. Phone (063) 324232



**NATIONAL TRUST
NEW SOUTH WALES**

Western Advocate

Incorporating "THE WESTERN TIMES" and "NATIONAL ADVOCATE"

MONDAY, NOVEMBER 6, 1995

75 cents

INSIDE TODAY

FIREFIIGHTERS TO COMPETE

Bathurst firefighters will travel to Junee on November 11 to compete in the NSW Fire Brigade's Zone Championships to be held at Loftus Oval.

Page 2

PROPRIETORS WARNED

People should be aware of their legal responsibilities when using contractors, according to Bathurst Chamber of Commerce president, Sharon Parratt.

Page 3

NEW HQ FOR SES

The Central West Division of the State Emergency Services was deserving of a new state-of-the-art headquarters, according to the Minister for Corrective Services and Emergency Services, Bob Debus.

Page 5

'I'LL CLEAN UP RACING'

Minister for Racing and Gaming, Richard Face, promised on Saturday to clean up the racing industry and provide punters in all three codes with a 'safe bet'.

Page 28

WEATHER

Showers and thunderstorms chiefly afternoon and evening. Local heavy falls and wind squalls in storms. Moderate to occasionally fresh northwest winds. Outlook Tuesday/Thursday: Showers clearing Tuesday. Fine Wednesday/Thursday. Bathurst.....20

INDEX

History.....4
Letters.....6,8
Gardening.....10
Junior Sport.....12,17-19
TV Guide.....13-16
Classifieds.....20-21
Sport.....23-24

Crossing a bridge to our history

The structure which gave Bathurst the title 'Gateway to the West', the Denison Bridge, was officially commemorated yesterday before a large crowd of locals.

Yesterday's ceremony, attended by representatives of the Institution of Engineers of Australia, the Bathurst Historical Society and Bathurst City Council, marked the 125th anniversary of the bridge's opening.

Cr Gordon Crisp unveiled a special plaque commemorating the occasion and on behalf of the city of Bathurst accepted a tree donated by the Institution of Engineers.

Graham Priddle of the Institution of Engineers

led a procession of people in a walk across the bridge.

Construction of the original bridge began in 1855 in response to the gold rush, but this bridge was floated by the 1867 floods.

The metal bridge as it stands today was built in 1870 on the American Pratt design, big and sturdy in a departure from English engineering, making it an engineering first.

The Denison Bridge, named after Governor Sir William Denison, was in use until recently made redundant by the Evans Bridge.

Now blocked off at either end, the bridge is still used as cycle and walk way.



Bathurst Historical Society's Theo Barker, Bathurst City Council's Gordon Crisp and Elizabeth Taylor of the Institution of Engineers unveil the plaque on the historic Denison Bridge



Locals took a stroll across the Denison bridge yesterday during the dedication of the structure on its 125th Birthday

Businesses 'must be compensated'

Bathurst City Council will be called upon to offer financial support to businesses suffering from the effects of the Central Carpark development this week.

Cr Gordon Crisp has drawn up a full report on the Central Carpark development tabling events since 1993 which he will present to council's combined committees meeting on Wednesday.

In the report Cr Crisp recommends that council 'accept that its intent was to maintain the access for existing retailers from the carpark and immediately enter into discussions with affected businesses with a view to providing financial relief sufficient to ensure that the reasonable losses are met'.

Another recommendation by made by Cr Crisp in his five page report is that the general manager Chris Pitkin 'be required to provide a full and

complete defence of his actions within one week'.

Meanwhile Cr John Standen has called for an investigation into 'the developer's responsibilities'.

Cr Standen said he had had little success in attempting to come up with a solution for shopkeepers suffering from the development but was still pursuing certain avenues.

"As late as last Thursday, together with Cr Haysom and Cr Nightingale, we had talks with the general manager and town planner about terms and conditions which were subject to the developer."

Cr Standen said there had been 'a lot of talk' that developers had had numerous discussions with affected shopkeepers and any concerns had been taken into consideration.

"This now appears to be debatable," Cr Standen said.

Businesses 'miss out' on benefits of training ideas

Businesses in the Central West are slow on the uptake of new training ideas and may be missing out on considerable benefits by remaining ignorant of what is on offer.

This was the message the executive director of the Central Economic Zone, David Maddocks, had for local businesses this week following the release of the results of a comprehensive training study.

During the CEZ steering committee meeting this week Mr Maddocks said the study, conducted for the NSW Board of Vocational Education and Training, provided a unique perspective on training and its effects on regional development.

Mr Maddocks said despite the efforts of training providers to promote their offerings, there was confusion amongst businesses over aspects of training and the benefits.

"Despite these efforts there remains considerable confusion in the market place and there is a clear need to provide a central point where information on courses can be obtained," Mr Maddocks said.

He said the study had highlighted examples of cutting edge training techniques and innovations in the Central West but companies had failed to utilise these.

"Many companies have not yet embraced these new approaches."

"Other businesses appear to be unable to participate in training practices due to their lack of knowledge about training potential for their business," Mr Maddocks said.

Mr Maddocks suggested a 'roadshow' for the region to inform those interested in improving their business potential through training about what providers had to offer.

During the study, which was carried out by Mitchell Search, computer tables were created to show regional input and output in employment, value of production and exports.

These tables can show the effects of the expansion or contraction of an industry or the effects of drought.

"They can also show what will happen to a centre if it attracts a new industry, a new airport, a gas pipeline or a very fast train."

The report from the study will now be outlined to community forums in Orange, Bathurst and Cowra before the findings are finalised.

Historic occasion for bridge

Bathurst City Council and the Institution of Engineers Australia will declare the Denison Bridge to be an historic engineering marker at noon on November 5 at Lions Berry Park.

Mayor of Bathurst, Ian Macintosh, said 1995 also marks the 125th year since the bridge was opened. Planned is a ceremony with speakers Theo Barker from the Historical Society, Councillor Gordon Crisp of Bathurst City Council, Hon Justice Barry O'Keefe, AM, QC, National Trust, Australia and Ms

Liz Taylor of the Institution of Engineers Australia. An unveiling of the plaque will also take place during the ceremony.

After the ceremony there will be entertainment by local band Cockie's Joy, with stilt walkers and fire eaters from Charles Sturt University-Mitchell wandering around the park.

A free sausage sizzle will be available from the Lions Club food van.

Interest in RSL carpark sought

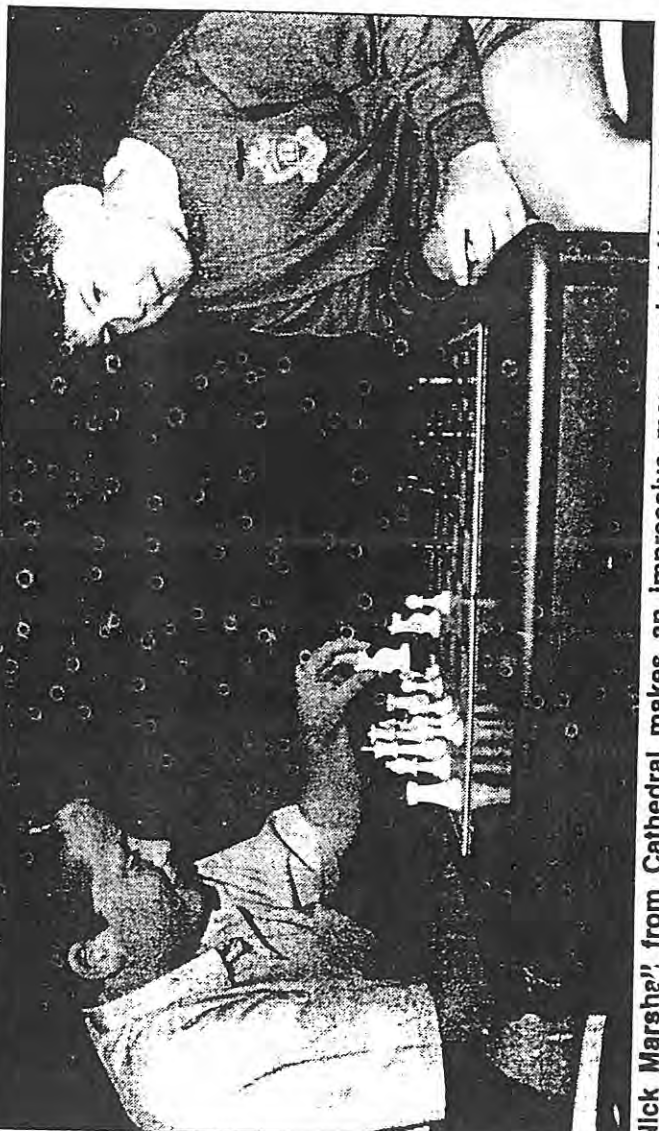
Bathurst City Council is seeking general expressions of interest for the development of the RSL carpark.

Council is the owner of the 1.2 hectares of land in the block bounded by George, Russell, Rankin and Howick Streets.

In an advertisement inviting expressions of

interest for purchase/development of the site, council general manager Chris Pitkin said the site was one of the last remaining suitably-zoned parcels of land for large scale retail/commercial development located within the central business district. Expressions of interest close at 4pm on December 1.

Chess success for Cathedral School



Nick Marsh, from Cathedral makes an impressive move against Heath Nash from Warren Central.

In a gruelling fight to the death, Cathedral Primary School won the first round of the Zone Finals against Warren Central in the Commonwealth Bank Chess Tournament yesterday.

With the scratching of heads and quiet all around, Cathedral's team members Nicholas Marshall, Stephen Locke, Michael Williams-Flynn and Ryan Luxford came through to win five games to three.

The team which wins the final of the Zone Finals will go on to Sydney to compete in the NSW finals.

Teacher Russ Warfield said he was proud of his students.

"The kids have really done well, practically

Nyra hopes to study at

she said.

Stock worth \$40million sold at Bathurst yards

The importance of Bathurst City Council's Bathurst Saleyards has been highlighted by its latest annual financial details.

During the 1994-'95 financial year, stock was sold to a total value of \$40 million.

The chairman of council's Saleyards Committee, Councillor Les Wardman, said yesterday yardings had been the sixth highest in NSW for sheep and lambs as well as for cattle.

He said council's position as a regional marketing area had improved from eighth to sixth [excluding Computer-Aided Livestock Marketing offers] for sheep and lambs, compared to the position in the previous financial year.

He said Bathurst cattle yarding had also improved from eighth to sixth position, overtaking the Matland and Singleton Saleyards.



Help For Accident Victims

Injured

- in a motor vehicle accident
- in an industrial accident
- on public or private property
- at work or on your journey to or from work

Retrenched

- whilst off work due to injury
- whilst partially incapacitated for work
- and having difficulty obtaining further employment by reason of past injury

We can help you. You may have the right to claim for a lump sum compensation. Even if you are presently receiving weekly compensation payments, you may be eligible for further compensation.

At Kenny Spring the first consultation for all work related matters or enquiries is free, so it costs you nothing to obtain clear and detailed advice on your entitlement from a solicitor specialising in the field.

Please call Kel Connelly

KENNY SPRING, SOLICITORS

Southern Mitchell Chambers,
203-209 Russell Street, Bathurst.

Tel.: 31 2911

**MEDIA
RELEASE**

Records

9

BATHURST CITY COUNCIL

308/06

DENISON BRIDGE

HISTORIC MARKING CEREMONY

Bathurst City Council, in collaboration with the Institution of Engineers, Australia, is declaring the Denison Bridge to be an Historic Engineering Marker, on Sunday, 5 November, 1995, at Lions Berry Park, Bathurst, commencing at twelve midday.

The Marking signifies the importance of this Australian manufactured, Pratt Truss Bridge, in the history of the Central West. The American Pratt Trusses on the Denison Bridge were the first of their type in New South Wales - a break from contemporary British technology.

The innovative design of the Bridge was prepared in 1865 by Public Works Department Engineer, Mr Gustavus Morell, and construction by P N Russell and Company, took place during 1868-70.

The structure proved the capabilities of colonial engineering skills and carried traffic from its opening in 1870 to 1993. Nineteen ninety-five also marks the one hundred and twenty-fifth anniversary since the Earl of Belmore opened the Denison Bridge.

To celebrate this occasion a Gala Day has been planned with an unveiling of the plaque, entertainment and a free sausage sizzle. All are welcome to attend the ceremony to celebrate a day in history.

Any enquiries regarding the Ceremony please contact Council's Environmental Officer, Mr Patrick Navin (telephone 336 141 during business hours).

O.K. 8/8 20/9

**MEDIA
RELEASE**

Records

15

BATHURST CITY COUNCIL

DENISON BRIDGE

HISTORIC ENGINEERING PLAQUING CEREMONY

The Mayor of Bathurst, Councillor Ian Macintosh, yesterday said that at twelve midday on Sunday, 5 November, 1995, at Lions Berry Park, Bathurst City Council and the Institution of Engineers, Australia, will declare the Denison Bridge to be an Historic Engineering Marker.

Nineteen ninety-five also marks the one hundred and twenty-fifth year since the Bridge was opened.

Planned is a Ceremony with speakers Theo Barker from the Historical Society, Councillor Gordon Crisp of Bathurst City Council, Hon Justice Barry O'Keefe, AM, QC, National Trust, Australia, and Ms Liz Taylor of the Institution of Engineers, Australia. An unveiling of the plaque will also take place during the Ceremony.

After the Ceremony there will be entertainment by local band, 'Cockies Joy', with Stilt Walkers and Fire Eaters from Charles Sturt University, Mitchell, wandering around the Park. A free sausage sizzle will be available from the Lions Club Food Van on the day.

The public is invited to attend a Ceremony to celebrate this occasion and stay for the entertainment and refreshments.

Come along for an enjoyable day in history, said Councillor Macintosh.

[Handwritten signature]



MEDIA RELEASE

26 July 1995

Our Ref:

Historical award for Denison Bridge

Your Ref:

An Historical Engineering Marker will be placed on the Denison Bridge in a plaquing ceremony to coincide with the 125th birthday of the bridge on 5 November 1995.

"The plaquing ceremony is of special significance as it recognises the historical engineering feat the Denison Bridge represented when it was built in 1870," said Cr Peta Gurdon-O'Meara, Mayor of Bathurst.

The Institution of Engineers established the Australian Engineering Plaquing Programme to publicly recognise significant engineering works and the engineers who created them. Bathurst City Council nominated the Denison Bridge for an Historical Engineering Marker and the application was approved.

Bathurst City Council has joined the Bathurst Lions Club, Historical Society, National Trust and Institution of Engineers in organising a gala day of activities in Berry Park to celebrate the 125th birthday of the bridge.

"The entire Bathurst community will be invited to celebrate the birthday of this historic landmark in our city," said Cr Gurdon-O'Meara. "Proposed activities include period costumes, a sausage sizzle lunch, the plaquing ceremony, commemorative tree planting and an historical display related to the bridge."

For further information please telephone:

Cr Peta Gurdon-O'Meara

Chris Pitkin

Mayor

General Manager

Bathurst City Council

Bathurst City Council

Tel 33 6201

Tel 33 6201

November 1995

Engineers SYDNEY

118 Alfred Street, (PO Box 138), Milsons Point NSW 2061,
Phone (02) 9929 8544 Fax (02) 9956 7670

National Engineering Week Review

130 Paddle Pops and a Harley Davidson



*Chairman, Ray Taylor with the winning team - Andrew Allan,
Brendan Elphick and Gavin Kawalsky*

What have the Institution of Engineers, 130 Streets Paddle Pops and a Harley Davidson Electraglide motor cycle got in common. Nothing really. But take a group of civil engineering students from the University of NSW and combined the 153.5 grams of Paddle Pop sticks with about 20ml of H.B Fuller's PVA glue and you've got a half metre long bridge more than capable of carrying that 347 kg Harley.

At this year's launch of National Engineering Week on Sunday 3rd October, 138 engineering undergraduates from universities throughout NSW, South East Queensland and Ontario, Canada, competed with their 43 model bridges that were loaded to destruction at Sydney's Powerhouse Museum. The intent of the tests was to determine the model with the highest strength to weight to weight ratio. The winning model weighed only 153.5 grams and carried a load of 360 kg that was applied at mid span to a hydraulically operated 12mm loading beam.

This event signalled the beginning of a busy week for Division members. Site visits (to such diverse places as ANSTO and the Sydney Harbour Tunnel Control Room and Ventilation System) were held every day and

culminated with an Engineering Heritage Walk on the following Saturday afternoon.

The annual Harrick's Address delivered by His Excellency Rear Admiral Peter Sinclair, AC, Governor of New South Wales (and Honorary Fellow of the Institution), was "standing room only" and extremely successful. The Address also incorporated a Certificate Presentation, with around 30 members presented with Certificates by the Governor, adding to the importance of the occasion.

Another highlight was the Young Engineers Public Speaking Competition, where all in attendance were entertained by some of the profession's more gifted young public speakers.

Overall, National Engineering Week once again provided members of the Division and the general public the opportunity to recognise and consider the contribution engineers make within the community.

Notification of Sydney Division Elections

In accordance with Division Rule 44.1 notification is given that election for a Division Councillor will be held.

Ballot papers expect to be with members early December, and will close 12th January, 1996.

Appointment of Returning Officer

I hereby wish to state that the Sydney Division Committee has appointed me as Returning Officer for the forthcoming elections for:

- (a) Councillor (1 position) elected by Sydney Division

My Affiliate with IEAust is as Director of Sydney Division.

Charles Gerrard FIEAust
(Member No: 392555)

Nomination for the Electrical Engineering Branch Committee

There are distinct personal advantages for experienced engineers, young and not so young, who are accepted as members on the Electrical Engineering Branch Committee.

The Committee consists of senior representatives of the Government, Private Industry and Universities and encompasses the main streams of the electrical engineering world ie Communications, Power, Control and Computers. Furthermore it looks after the interests of the IEAust, IEE, IEEE, IREES, ESEA, and Associated Engineering bodies. Personal contact with such a large number of representatives provides a unique opportunity for gaining an overview of the electrical scene.

The contacts within the Institution and with outside organisations can vastly improve one's chances for promotion and advancement in business. When visiting overseas, contacts via the local Institutions could more readily be established.

The National Register for Engineers (NPER - 3) emphasises the importance of professional engineers and enhances the status of members of Engineering Committees. Because of the wide-ranging engineering subjects dealt with at Branch Committee meetings the time spent there is generally accepted as part of the points necessary to maintain your continuing engineering education.

Selecting lectures of high standard, maintaining their value for the purpose of Continuing Engineering Education, arranging inter-professional functions, seconding members as judges in Engineering Excellence Awards, is very much the role of the Committee.

To become a member of the Electrical Branch Committee is a privilege and recognition.

Encroachment on your time is not much, and the contribution and the social contacts you make should give you much satisfaction.

If you feel that you are up to it, forward your nomination and to the Sydney Division, Attention: Electrical Engineering Branch, before the 15th November.

✂

Gala Days for Engineering Heritage

For Your Diary

The following plaquing events are planned for November.

Sunday 5th

At Bathurst

Noon The 1870 Denison Bridge over the Macquarie River.

Saturday 11th

At Henty

9.30am The 1910 Headlie Taylor header.

At Wagga Wagga

12.15pm The 1881 railway lattice bridge and 1901 viaducts.

12.45pm Unveil plaque as XPT passes onto the viaduct.

At North Wagga Wagga

2.30pm Procession to Hampden Bridge.

3.00pm Re-enactment of opening ceremony 100 years ago.

Wagga Wagga venue

7.30pm Celebration dinner (self pay).

More details contact:- Don Fraser on ph/fx (02) 337 4867.

Real Time Detection of Tissue Abnormalities

Presented by Electrical Engineering Branch

Date: Thursday 9th November, 1995

Venue: IEAust Harricks Auditorium

Time: 5.30 for 6.00pm

The address, supported by slides and video recording, by Messrs R Thompson and D Bull deals with recent developments of cancer detection by computer assisted electronic instrumentation. Following invitations sent by the Chairman of the Electrical Branch to Medical Practitioners and Cancer Research organisations, a number of guests from the medical profession are expected to attend.

NOMINATION FOR MEMBERSHIP ON THE ELECTRICAL BRANCH COMMITTEE

Name:

Membership grade:

College Membership:

Field of engineering:

Employment:

Phone:

Mail to: IEAust - Sydney Division, Electrical Engineering Branch, PO Box 138, Milsons Point NSW 2061

Your Easy Route to CPEng

This is your chance to stop procrastinating and get on with achieving CPEng status!

You know the advantages of becoming a CPEng which enables you to become a Registered Professional Engineer ie placed on NPER-3. This in turn will enable you to take advantage of the professional liability capping offered by the recently passed Professional Standards Act (NSW).

Do you find the task of even starting your CPEng application too daunting? What a dilemma!

To overcome this problem Sydney Division is introducing two one-day "classes", during which you will be able to effectively complete your application. During the class you will be given guidance on how to use your professional experience to meet the competency requirements implicit in CPEng applications.

Before the class you need to:

- (i) obtain the revised (ie September, 1995) CPEng Applicants Handbook from the Division office;
- (ii) prepare a detailed CV, as indicated in the Handbook, and have it certified by CPEng Engineers or experienced engineers;
- (iii) assemble any notes, reports, or other documentation that relate to your professional experience.

On the day of the class you need to:

- (i) bring all your documentation
- (ii) bring writing materials and/or your lap-top if you prefer to generate your report via computer

The first two classes in Sydney Division will be conducted 9.00am to 5.00pm on Friday, 10th November and Saturday, 11th November.

The number of places is limited and spaces will be allocated on a first come, first served basis.

RSVP to Lang Chung on (02) 9929 8544.

Women in Engineering

Date

Wednesday 29th November, 1995

Venue

IEAust Harricks Auditorium

AGM followed by a short video "Break Through - Beyond the glass ceiling" a comedy dealing with serious career issues.

Contact: Lyn Morriss on (02) 234 7634.

Graduates Column

All young graduates are invited to attend our final activity for the year. On Wednesday 6 December we will be visiting a presentation organised by the Environmental Branch. **Please note that the date of this activity has been changed since it was advertised previously.** The topic is "Engineering on the Road to Sustainability - What is Environmentally Sustainable Development and How can IEAust Foster It?"

Refreshments are at 5.30pm and the presentation begins at 6.00pm. It will be held in the Harricks Auditorium on the ground floor, 118 Alfred St, Milsons Point. There is no need to RSVP. All young graduates (and the young at heart) are especially welcome.

Alexandra Meldrum
Graduates Affairs Coordinator

Society of Military Engineering

End of Year Function

The end of year function is to be held at the School of Artillery Museum, at North Head. The function will include:

- Conducted tour of old fortifications and tunnels
- Tour of Artillery Museum
- Barbecue
- Concert by Artillery Band

Date: Monday 27th November, 1995
Time: 4.00 to 8.00pm

All members are urged to attend with their families, and any friends that they may wish to invite. A small charge will be made for each person attending. It is necessary that those who wish to attend should make bookings so that the catering may be arranged. Bookings should be made no later than Friday 17th November 1995.

Bookings can be made by telephone, or fax to:-

Bob Young ph/fx (02) 818 2198 or
John Elliott (02) 818 4955 fx (02) 818 4031

Deadline!

The deadline for the last issue of
Engineers Sydney for 1995 is
Monday 6th November

If anyone would like to place an article in
Engineers Sydney please contact the
Editor: **Lang Chung** on (02) 9929 8544.

Young Engineers Sydney

The Young Engineers Public Speaking Competition



Our 5 public Speaking entries (left to right) Bruce Edgerton USyd, Natalie Cavan UWS, Steven Lloyd UWollongong, Karen Tocque UNSW & Andrew Sommerville UTS

On the 7th of September about 70 people gathered at the Harricks Auditorium to listen to the Young Engineers Public Speaking Competition. The night began with a cocktail party followed by some excellent speeches, which varied from a story about a billy cart race, to sustainable development.

The winner of the \$500 first prize, Stephen Lloyd from the University of Wollongong, spoke about "Why Engineers aren't Boring". This very entertaining young man persuaded us that the only way to develop your personality was to become an engineer! (surprising though it may seem). Steven was in fact so convincing that he has been invited to speak at the upcoming Engineering Excellence Awards on 20th October.

The evening also included the presentation by Stephen Branch of the campus winners of the Industrial Training Awards and the Sydney University Pride medal. Other invited speakers were Elizabeth Uliana (the Sydney Division winner of the Young Engineer of the Year), and Elizabeth Taylor, due to become president of IEAust Sydney Division in 1996.

I would like to take this opportunity to thank our Toastmasters judges - Messrs Mario Vargas, Jim Munro, Andrew Bath, and the University of New South Wales for their generous sponsorship.

Associates Column

What Is In A Name

Like most Associates I have been reading with interest, the many letters in Engineering Times over the last few months regarding the current Engineering Associate of The Year, who is employed as a "Design Engineer".

This issue has raised many concerns, but the most important point of contention appears to be the correct use of the title Engineer. With reference to my english dictionary, the following definitions are quite interesting:-

Engineer A person who is trained in or follows as a profession a branch of engineering.

Profession A calling requiring specialized knowledge and intensive academic preparation.

Associate A fellow worker, partner, colleague.

These definitions highlight, I believe the difficulty in understanding "What Is In A Name". After all the above can be applied to all current grades of Institution membership.

Associates work alongside and in many instances because of their experience, are responsible for the performance of University trained Affiliates and Chartered Professional Engineers. Does this then diminish the standing of the engineering profession - of course not.

In an ideal world the engineering profession, employers and public would understand the difference between an Associate, Affiliate or Member. But they do not.

Perhaps then the Institution should take this opportunity, to question whether Associate and Affiliate are an appropriate description of the roles performed.

If we are confused as to what we should call each other, then we have only ourselves to blame when the community asks "What Is In A Name".

Tom McLaughlan
Chairman Society of Engineering Associates

Call for Applications

Malaysia - Australia Foundation Fellowship

IEAust is currently calling for applications for the 1996 Malaysia Australia Foundation Travelling Fellowships. The Fellowships are open to all young engineers who are members of IEAust.

Applications from graduates in structural, civil, mechanical and electrical engineering are welcome. As the scheme may expand in the future graduates of other engineering disciplines are also welcome to express their interest.

Closing date is 1st December 1995. Further information can be obtained from Ken Bailey, Manager, International Operations, IEAust (06) 270 6550.

Division Calendar - What's On ?????

The majority of meetings are held in the IEAust Auditorium, Ground Floor, 118 Alfred Street, Milsons Point with refreshments at 5.30pm for a 6.00pm start. As meetings are liable to cancellations at short notice, Members are requested to ring Lang Chung on (02) 9929 8544 to confirm details of meetings.

Date	Organiser	Title, Details
NOVEMBER		
Fri 3rd	Water Eng. Panel	Annual General Meeting & Dinner. Venue: Golden Gate Hotel, 169-179 Thomas St, Haymarket, Sydney. Cost: \$36/person, RSVP to Lang Chung (02) 9929 8544.
Fri 3rd	Broken Hill Group	1995 Annual General Meeting. Contact: Stephen Duffield (080) 888 928 for details.
Sat 4th	Riverina Group	Annual General Meeting. Wagga Wagga. Contact: Peter Ross on (069) 235 387 for venue and details.
Sun 5th & Sat 11th	Engineering Heritage Committee	Gala Days for Engineering Heritage. Contact: Don Fraser on phone/fax (02) 337 4867. (see page 2 for details).
Mon 6th	Toastmasters Club	Topic - Health & Fitness. Venue: Graphic Arts Club, 1st Floor, 22 Regent St, Railway Square. Contact: Bob McDonnell on (02) 257 1160.
Mon 6th	Environmental Branch & Env. Inst. of Aust.	Successes and Failures in Motor Vehicle Emission Controls. International Speaker, Prof. Robert Sawyer,
Tue 7th	Society of Eng. Associates	Annual General Meeting. Contact: Tom McLaughlan (02) 838 7222 for details.
Wed 8th	Aust. Geomechanics Society	E H Davis Memorial Lecture.
Wed 8th	Illawarra Regional Group/ Young Engineers Illawarra	Annual General Meeting. Speaker: David Potter "RedR in Tanzania". Time: 6.30pm, Venue: Western Suburbs Leagues Club. Contact: Judy Gordon (042) 214 086 for details.
Thu 9th	Electrical Branch/IEE/ IEEE/IREES	Real Time Detection of Tissue Abnormalities. Speakers: Mr R Thompson, Polartech and Mr D Bull, Bull Consulting Services P/L.
Thu 9th	Society of Maintenance Eng.	Atlas Copco. Venue: Blacktown, Contact: Peter Kohler (02) 359 2007 for details.
Fri 10th	Maritime Panel	BBQ at Garden Island. Time: 5.00pm, Contact: Stephen O'Brien on (02) 384 1000.
Fri 10th	Southern Tablelands Group	To be announced. Contact: Peter Mowle (048) 230 464 for venue and details.
Tue 14th	The Industrial Engineers Society/Manufacturing/ Management Branches	Key Performance Indicators for Critical Success Factors. Speaker: Professor Ray Martin, UTS, Venue: 1st Floor, IEAust Boardroom.
Tue 14th	Nuclear Eng. Panel	Why Australia does not need a Nuclear Reactor? Speaker: Mr J Hayes, Burmott Australia P/L.
Tue 14th	MSTS & MSB	Designing for Mine Subsidence. Jointly sponsored by Mine Subsidence Technological Society and Mine Subsidence Board. Venue: Macquarie Room, Campbelltown Catholic Club, 20/22 Camden Rd, Campbelltown, Time: 3.00pm. Contact: Graham Hanson (049) 26 9664 for details.
Wed 15th	Water Eng. Panel	Restructuring of the Water Industry. Contact: Graham Whyte on (02) 562 6331.
Thu 17th	Transport Panel	Annual Dinner
Mon 20th	Toastmasters Club	Topic - Christmas Holidays. Venue: Graphic Arts Club, 1st Floor, 22 Regent St, Railway Square, Contact: Bob McDonnell (02) 257 1160 for details.

Tue 21st	IMMA/Manufacturing Branch/Quality in Eng.	Plant Visit to Capral Aluminium Limited. 11 Longfield St, Cabramatta. Time: 5.00pm. RSVP to Bonnie Mullen on (02) 841 3145 by 14/11/95.
Tue 21st	Power Distribution Panel	To be announced. Venue: Sydney Electricity Auditorium, 570 George St, Sydney. Contact: Brian Jay on (02) 209 4134 for details.
Wed 22nd	Mechanical Branch	To be announced.
Wed 22nd	Western Sydney Water Eng. Panel	Annual General Meeting - following a presentation by Mr Bob Hussey of the NSW Land and Environment Court. Time: 2.00pm, Venue: Gazebo Hotel., Parramatta. Contact: Dee Taylor (047) 360 144 for details.
Thu 23rd	Electrical Branch/IEE/IEEE/IREES	Electrical Branch Retiring Chairman's Address.
Mon 27nd	Society of Military Engineering	Tour of School of Artillery. Venue: North Head. RSVP by Friday 17/11 to Bob Young on ph/fx (02) 818 2198 or John Elliott on (02) 818 4955 fx (02) 818 4031.
Mon 27th	Maritime Panel	Dedicated Minehunters Slip Way to Newcastle. Contact: Stephen O'Brien on (02) 384 1000 for details.
Tue 28th	Civil & Structural Panel	Harris Park YLink Railway Project. Speakers: Bob Husking, AbiGroup & Richard Hitch, McMillan Britton & Kell.
Tue 28/29	Workshop	(see below)
DECEMBER		
Fri 1st	Sydney Western Group	Annual Dinner. Time: 7.30pm, Venue: Fratelli Italian Restaurant, 54 Phillip St, Parramatta. Tickets are \$30 a head. RSVP to Dee Taylor (047) 360 144.
Fri 1st	Maritime Panel	Annual General Meeting. Contact: Stephen O'Brien (02) 384 1000 for venue and details.
Mon 4th	The Industrial Eng. Society	Last Social and Members' Activity for 1995. Venue: 1st Floor, IEAust Boardroom
Wed 6th	Environmental Branch	Engineering on the Roads to Sustainability - What is Environmentally Sustainable Development and how can IEAust foster it?
Wed 6th	Society for Responsible Design	SRD Talk. Contact: Sally Kidall (02) 281 4095 for venue and details.
Thu 7th	Electrical Branch/IEE/IEEE/IREES	Speaker: from Australian Conference on Optical Fibre Technology '95.
Fri 8th	Young Engineers Western Sydney	Annual Dinner. Venue: The River Canyon Restaurant, Phillip St, Parramatta. RSVP to Dee Taylor on (047) 360 144.

Dynamics of Building Sanitary Drainage Systems

WORKSHOP

Date
Tuesday 28th & 29th November, 1995

Venue
University of Technology, Sydney
Broadway Campus, 1 Broadway, Sydney

Time
9.00am - 5.30pm

Cost
\$550.00

Speaker
Professor John Swaffield, Head Dept. of Building
Eng. & Surveying, Heriot-Watt Uni, Edinburgh
Enquiries & Bookings
Christine Taylor
(02) 330 2598

TELEPHONE: (063) 31 1622
FACSIMILE: (063) 31 7211

All Correspondence to
The General Manager
Private Mail Bag 17
BATHURST NSW 2795



PCN:NN:B08/06

Our Ref: Mr Patrick Navin (063) 336 295

Your Ref:

24 October, 1995

Dr Don Fraser
14 Darby Street
VAUCLUSE 2030

Dear Dr Fraser

Denison Bridge Plaquing Committee

Please find **attached** the Minutes of the Historic Engineering Plaquing Ceremony Committee Meeting held on 23 October, 1995. This was the last Meeting of the Committee as the Ceremony is less than two weeks away.

You are requested to follow up any loose ends and be at Lions Berry Park before the commencement time of twelve midday, to help set up.

Bathurst City Council would like to thank you for your input over the last six months into this very important and special event, and looks forward to seeing you at the Plaquing Ceremony on 5 November, 1995.

Yours faithfully

C Pitkin
GENERAL MANAGER

MINUTES OF THE
DENISON BRIDGE PLAQUING COMMITTEE MEETING
HELD ON
23 OCTOBER, 1995

PRESENT

Mr Robin McLachlan, National Trust, Bathurst
Mr Bruce Boddington, Bathurst Lions Club
Mr Graham Priddle, Central West Group of I E Aust
Mr John Humphries, Central West Group of I E Aust
Mr Patrick Navin, Bathurst City Council

APOLOGIES

Mr Inder Kirpalani, Central West Group of I E Aust
Mr John Wilson, Bathurst Lions Club
Mr Peter Allenby, Bathurst City Council

1. Mention was made that a photographer would be required and it was suggested that Mr Allan McRae be contacted.
2. The flags have arrived. The large ones will be hung from the Bridge on the day, and the smaller flags will be used for the stage and plaque.
3. The Ceremony procedure will be as follows -

Theo Barker, Historical Society
Councillor Gordon Crisp, Bathurst City Council
Hon Justice Barry O'Keefe, National Trust
Ms Liz Taylor, Institution of Engineers, Australia, Sydney
Division
4. A stage, 5 m X 3 m, has been hired.

5. 'Cockies Joy' will be entertainment. Stilt Walkers and Fire Easter from Charles Sturt University, Mitchell, will be hired at a cost of \$150 (Robin to give details to Patrick).
6. Committee members to be at the venue before the commencement time of twelve midday, to help set up.
7. Robin will organise printing of 500 of each pamphlet after final copies have been checked by Patrick.
8. A Golden Deodar is arriving from Melbourne in time for the Ceremony.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

TELEPHONE: (063) 31 1622
FACSIMILE: (063) 31 7211

All Correspondence to
The General Manager
Private Mail Bag 17
BATHURST NSW 2795



PCN:NN:B08/06

Our Ref: Mr Patrick Navin (063) 336 295

Your Ref:

10 October, 1995

Dr Don Fraser
14 Darby Street
VAUCLUSE 2030

Dear Dr Fraser

Denison Bridge Plaquing Committee

Please find **attached** the Minutes of the Committee Meeting held on 9 October, 1995. Also note the date, place and time of the next Meeting.

Only a few outstanding items remain to be followed up for the Ceremony co-ordination. Your prompt action will be appreciated.

Yours faithfully

C Pitkin
GENERAL MANAGER

MINUTES OF THE
DENISON BRIDGE PLAQUING COMMITTEE MEETING
HELD ON
10 OCTOBER, 1995

PRESENT

Mr Robin McLachlan, National Trust, Bathurst
Mr John Wilson, Bathurst Lions Club
Mr Bruce Boddington, Bathurst Lions Club
Mr Patrick Navin, Bathurst City Council

APOLOGIES

Mr Peter Allenby, Bathurst City Council

1. Advice was received, and noted, from Mr Craig Nowells, State Minister for Heritage, and Mr R J Clough, MP, Member for Bathurst, of their non-attendance at the Historic Plaquing Ceremony on 5 November, 1995.
2. Marquees are being obtained from the Macquarie Motor Group (Bathurst Toyota) and Peter Rogers Real Estate.
3. Patrick contacted Rodger Hargraves regarding the entertainment, who indicated he would advise Patrick as soon as possible.

Robin to check with the Faculty Head, Charles Sturt University, regarding Arts students parading around the Ceremony crowd.

4. The Golden Deodar tree has not been received, and Bruce to follow up.
5. John has spoken to food and refreshment caterers for the Ceremony.

6. Patrick informed the Meeting of the advertisement in the October issue of 'Engineering Times' regarding the Ceremony.
7. Flags have been organised. John raised the issue that the flags for the Highway should be put into place at least a week prior to the Ceremony, i.e. 29 October, 1995.
8. Final invitations have been sent.
9. The PA System has been organised.
10. Robin advised the progress of the pamphlets was in hand and draft copies, hopefully, would be available at the next Meeting.
11. Next Meeting to be held on **Monday, 23 October, 1995, at 11.00 am in the Committee Room, Bathurst City Council, Middle Floor.**

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

TELEPHONE: (063) 31 1622
FACSIMILE: (063) 31 7211

All Correspondence to
The General Manager
Private Mail Bag 17
BATHURST NSW 2795



PCN:NN:B08/06

Our Ref: Mr Patrick Navin (063) 336 295

Your Ref:

27 September, 1995

Dr Don Fraser
14 Darby Street
VAUCLUSE 2030

Dear Dr Fraser

Denison Bridge Plaquing Committee

Please find **attached** the Minutes of the Committee Meeting held on 25 September, 1995. Also note the date and place of the next Meeting.

You are reminded that the Ceremony is less than five weeks away and any assistance you can give would be greatly appreciated.

Yours faithfully

C Pitkin
GENERAL MANAGER

MINUTES OF THE
DENISON BRIDGE PLAQUING COMMITTEE MEETING
HELD ON
25 SEPTEMBER, 1995

PRESENT

Mr Graham Priddle, Councillor, Institution of Engineers, Australia,
Central West Group
Mr John Wilson, Bathurst Lions Club
Mr Bruce Boddington, Bathurst Lions Club
Mr Patrick Navin, Bathurst City Council

APOLOGIES

Mrs June Darke, Historical Society, Bathurst
Mr Inder Kirpalani, Central West Group, Institution of Engineers,
Australia
Mr Peter Allenby, Bathurst City Council

1. Patrick Navin to telephone Dr Rodger Hargraves regarding entertainment for the Ceremony.
2. John Wilson/Bruce Boddington to invite Lions Club members and nominate a member to represent them in the dignitaries.

Patrick Navin to organise a letter to the President of the Bathurst Lions Club.

3. The list of invitees and acceptances was checked and noted.



4. Flags are required on the Highway, including an Institution of Engineers, Australia, flag.

5. Several matters, previously raised by the Council's Parks Manager, were discussed.

3/10/95

4 flags in hand
waiting banner.

Deliver on 5 Oct

Penny Sutherland
06 270 6521

Banners missing
but will get re-
one made.

It was decided a Golden Deodar tree was required and the Bathurst Lions Club would plant and maintain the tree. John Wilson/Bruce Boddington to check on prices and places available for the tree and advise Patrick Navin or Council's Parks Manager.

6. In case of wet weather, the venue will remain the same, and marquees are to be obtained from the following organisations -

Bathurst Toyota
Peter Rogers Real Estate

7. Media releases to be arranged fourteen days prior to the Ceremony.
8. Power for the Ceremony to be investigated by Peter Allenby and Patrick Navin.
9. Next Meeting to be held on **Monday, 9 October, 1995, at 11.00 am in the Committee Room, Bathurst City Council, Middle Floor.**

XXXXXXXXXXXXXXXXXXXX

TELEPHONE: (063) 31 1622
FACSIMILE: (063) 31 7211

All Correspondence to
The General Manager
Private Mail Bag 17
BATHURST NSW 2795



PCN:NN:B08/06

Our Ref: Mr Patrick Navin (063) 336 295

Your Ref:

12 September, 1995

Dr Don Fraser, PhD, FIE Aust
Heritage Consultant
14 Darby Street
VAUCLUSE 2030

Dear Dr Fraser

Denison Bridge Plaquing Committee

Please find **attached** the Minutes of the Committee Meeting held at Berry Park, Bathurst, on 11 September, 1995. Also note the date and place of the next Meeting.

You are reminded that the Ceremony is less than seven weeks away and any assistance you can give would be greatly appreciated.

Yours faithfully


C Pitkin
GENERAL MANAGER

MINUTES OF THE
DENISON BRIDGE PLAQUING COMMITTEE MEETING
HELD AT BERRY PARK, BATHURST
ON
11 SEPTEMBER, 1995
AT
11.00 AM

PRESENT

Mr Graham Priddle, Councillor, Institution of Engineers, Australia,
Central West Group
Mrs June Darke, Historical Society, Bathurst
Mr Robin McLachlan, National Trust Bathurst Group
Mr John Wilson, Bathurst Lions Club
Mr Bruce Boddington, Bathurst Lions Club
Ms Heather Saunders, Charles Sturt University, Mitchell
Mr Patrick Navin, Bathurst City Council

APOLOGIES

Dr Don Fraser, FIE Aust
Mr Mike Clarke, Engineering Heritage Committee, Institution of
Engineers, Australia
Mr Inder Kirpalani, Central West Group, Institution of Engineers,
Australia
Mr Peter Allenby, Bathurst City Council

1. Meeting was opened by Mr Patrick Navin.
2. Committee was informed that the Ceremony was to be organised without a Ceremony Co-Ordinator. Support from Committee Members was requested and the indication was this would be forthcoming.

3. Ceremony procedure. There will be no procession onto the Bridge. The Ceremony will take place in Berry Park with guest speakers and the unveiling of the Plaque, which will be affixed to the Bridge at a later date. The location of the marquee and refreshment stands was decided on, with the marquee having the Bridge as a backdrop.
4. Entertainment to be organised by Patrick, estimated to cost \$400.
5. Organisation of the food van to be carried out by John and Bruce. Bathurst City Council to supply sausages, bread, tea and coffee, to be free of charge to the public. The Lions Club to sell cool drinks and ice creams. Estimated cost \$500.
6. Patrick to follow-up on media releases and send a letter to June. Robin to contact the newspaper after approval received from Bathurst City Council.
7. Equipment required -
 - PA System
 - marquee
 - chairs and tables
 - stage and lectern
 - flags
 - power source
8. The Hon Justice O'Keefe added to the list of guest speakers.
9. Patrick to send the invitations.
10. Patrick to liaise with the Deputy City Engineer and Parks Manager, Bathurst City Council, regarding the tree planting. A Golden Diadar suggested to replace dead tree (possible marking with a plaque).
11. Next Meeting to be held on **Monday, 25 September, 1995, at 11.00 am in the Committee Room, Bathurst City Council, Middle Floor.**

XXXXXXXXXXXXXXXXXXXXXXXXXXXX



PN:NN:B08/06

Our Ref: Mr Patrick Navin (063) 336 295

Your Ref:

13 July, 1995

Dr Don Fraser, PH D, FIE Aust
Heritage Consultant
14 Darby Street
VAUCLUSE 2030

Dear Dr Fraser

Denison Bridge, Bathurst -
Plaquing Ceremony

Please find **enclosed** the Minutes of the last Meeting for the Plaquing of the Denison Bridge held on 7 July, 1995. The date for the next Meeting has not been set as the nature of the Ceremony and the Co-Ordinator have not been resolved by Council. Once this has been resolved you will be advised accordingly.

Should you have any further enquiries regarding this matter, please do not hesitate to contact the Deputy City Engineer, Mr Peter Allenby, telephone (063) 336 224, or Mr Patrick Navin, telephone (063) 336 295, or by facsimile on (063) 336 115.

Yours faithfully

C Pitkin
GENERAL MANAGER

BATHURST CITY COUNCIL

**MINUTES OF THE THIRD ENGINEERING
PLAQUING COMMITTEE MEETING
FOR THE DENISON BRIDGE
BATHURST**

HELD ON FRIDAY, 7 JULY, 1995

PRESENT

Mr Inder Kirpalani, Secretary, Central West Group, IE Australia
Mrs June Darke, President, Bathurst Historical Society
Mr John Wilson, Lions Club Bathurst
Mrs Monica Morse, Special Projects Officer, Bathurst City Council
Mr Patrick Navin, Bathurst City Council

APOLOGIES

Mr Mike Clarke, Chairman, Engineering Heritage Committee, IE Aust
Mr Don Fraser, Ph D, FIE Australia, Heritage Consultant
Mr Robin McLachlan, National Trust, Bathurst Group
Mr Graham Priddle, Central West Group, IE Aust
Mr Bruce Bodington, Lions Club Bathurst
Mr Peter Austin, Tourism Manager, Bathurst City Council
Mr Peter Allenby, Deputy City Engineer, Bathurst City Council

1. Apologies Accepted
2. The letter from Robin McLachlan, to Council, was explained to the group and it was noted that a sum of \$200 should be put aside for the cost of printing two pamphlets with the assistance of his students, and that it be noted that Robin has written to the Editor of the National Trust Quarterly, requesting him to include in the next issue the date of the ceremony with and explanation.
3. The Plaquing Ceremony be held at 12:00 midday. This allows enough time for people to come from Sydney and other regions and to keep the crowd around for the refreshments.
4. Discussion took place about the co-ordination of the ceremony and there was no decision.

The following points were raised -

(a) Ceremony Co-ordinator

There is a need for a ceremony co-ordinator to handle things such as invitations, entertainment, photographer, and other related issues.

(b) The Need for a Structured Approach

Co-ordinator should come from Council and needs to be directed to be the co-ordinator, therefore there is a need for a letter or proposal to be submitted to council on behalf of the "Working Party" for the plaquing of the Denison Bridge.

(c) Historical Tour

June Darke raised that if there is going to be a tour of the historical points of Bathurst, it can not include Miss Trail's House, due to the National Trust Regional Women's Committee holding a social event on the same weekend. Therefore an organised tour may be unsuitable. Discussions followed.

5. Monica and Patrick to prepare a formal proposal to be submitted to Council for approval.
6. Date of the next meeting to be determined after proposal has been passed by council.

Patrick Darke 12/7/95

TELEPHONE: (063) 31 1622
FACSIMILE: (063) 31 7211

All Correspondence to
The General Manager
Private Mail Bag 17
BATHURST NSW 2795



PN:NN:B08/06

Our Ref: Mr Patrick Navin (063) 336 295

Your Ref:

22 June, 1995

Dr Don Fraser, PH D, FIE Aust
Heritage Consultant
14 Darby Street
VAUCLUSE 2030

Dear Dr Fraser

Historic Engineering Marker
Denison Bridge, Bathurst

Please find **enclosed** Minutes of the Plaquing Committee Meeting for the historical Denison Bridge, held in the Council's Committee Room at 11.00 am on Friday, 16 June, 1995.

Your ideas for the Plaquing Ceremony would be welcome, and you are reminded that the next Meeting will be held on Friday, 7 July, 1995, at 11.00 am in the Committee Room, Middle Floor, Civic Centre, Bathurst.

Further information may be obtained or forwarded to the Deputy City Engineer, Mr Peter Allenby, telephone (063) 336 224, or Mr Patrick Navin, telephone (063) 336 295, or by facsimile on (063) 336 115.

Yours faithfully

C Pitkin
GENERAL MANAGER

BATHURST CITY COUNCIL

**MINUTES OF THE SECOND ENGINEERING
PLAQUING COMMITTEE MEETING
FOR THE DENISON BRIDGE
BATHURST**

HELD ON FRIDAY, 16 JUNE, 1995

PRESENT

Dr Don Fraser, Ph D, FIE Australia, Heritage Consultant
Mr Mike Clarke, Chairman, Engineering Heritage Committee, IE Aust
Mrs June Darke, President, Bathurst Historical Society
Mr Rob McLachlan, National Trust, Bathurst Group
Mr Graham Priddle, Central West Group, IE Australia
Mr Inder Kirpalani, Secretary, Central West Group, IE Australia
Mr Peter Allenby, Deputy City Engineer, Bathurst City Council
Mr Patrick Navin, Bathurst City Council

APOLOGIES

Councillor Jo Ross, Bathurst City Council

1. Peter Allenby outlined a brief history of the Denison Bridge and the progress with the plaquing of the Bridge to date. He then handed the meeting over to Dr Don Fraser to go through each point from the 'Guide to the Historic Engineering Plaquing Programme'.
2. A budget of \$4,000 is provided for the Ceremony.
3. The following points were raised -

(a) Ceremony Date

Sunday, 5 November, 1995, for approximately a half our duration, between 12.00 midday to 2.00 pm

(b) Brochures

Rob McLachlan	-	(1)	Bathurst History
		(2)	Denison Bridge

(c) Displays

Bathurst History and Bridge photographs

(d) Ceremony

Representative of Central West Group IE Australia - Master of Ceremonies

Mayor - Bathurst history

Historical Society Representative - Denison Bridge

Institute of Engineers, Australia Representative - Plaquing

Programme and technical aspects of the Bridge

(e) Location

East side of the Denison Bridge

(f) Location of Plaque

Unveiling of the Plaque in the park and then a possible procession to place it in the middle of the Bridge with the Marker Plaque

(g) Banners

Institution of Engineers, Australia banners - Don Fraser

75th Banners Institution of Engineers, Australia - Don Fraser to check

sample posted pre 7/7/95

(h) Invitations

Institution of Engineers, Australia Representative - Don Fraser

Governor Sinclair - Bathurst City Council

Local Members, State and Federal - Bathurst City Council

State Minister for Heritage - Bathurst City Council

Mayors of Bathurst and Evans Councils - Bathurst City Council

Roads and Traffic Authority Representative - Don Fraser

New South Wales Public Works - Bathurst City Council

Australian Heritage Commission - Don Fraser

Heritage Council - Don Fraser

National Trust - Don Fraser

Charles Sturt University, Vice Chancellor Cliff Blake - Bathurst City Council

Bathurst Historical Society - Bathurst City Council

Bathurst National Trust - Bathurst City Council

Lions Club - Bathurst City Council

School Children - Bathurst City Council

Bathurst Showground Trust - Bathurst City Council

sample letter faxed 12/7/95

Ray Wedgewood

Bathurst Showground Society - Bathurst City Council
Other Bathurst Bodies - Bathurst City Council

(i) Plaque Wording

Don Fraser

(j) Plaque Supply

Don Fraser - IE Australia supply free of charge

(k) Deadlines

The following need to be addressed for publicity of the Ceremony:

- * National Trust Quarterly - Bob McLachlan
- * Royal Australian Historical Society - Mike Clarke
- * Institution of Engineers, Australia, Sydney Division - Don Fraser
- * Local publicity, i.e. Western Advocate, Radio Station 2BS, Television - Committee/Bathurst City Council

*Diary note 11/7
Notice ready*

(l) Entertainment

Scots School band, local bush band - suggested

(m) Costuming

Don Fraser as Governor Denison; school girls easy to fit up; local Theatrical Society/Historical Society

(n) Refreshments

Bathurst City Council and Lions Club - barbecue, sausage sandwiches

(o) Plaque Booklet

Don Fraser to send copy to Peter Allenby for use by the Committee

posted pre 7/7/95

(p) Photographer

Fred Smith suggested

(q) Other Involvement

The following people were suggested as being able to help with the organisation of the Plaquing Ceremony -

- * Monica Morse, Bathurst City Council
- * Peter Austen, Tourist Officer, Bathurst City Council
- * Police (crowd control)
- * Lions Club Representative

4. The **next Meeting** to be held in the Committee Room, Middle Floor, Civic Centre, Bathurst, at 11.00 am on Friday, 7 July, 1995.

5. Distribution List -

Dr Don Fraser, Ph D, FIE Australia, Heritage Consultant
 Mr Mike Clarke, Chairman, Engineering Heritage Committee, IE Australia
 Mrs June Darke, President, Bathurst Historical Society
 Mr Rob McLachlan, National Trust Bathurst Group
 Mr Graham Priddle, Central West Group, IE Australia
 Mr Inder Kirpalani, Secretary, Central West Group, IE Australia
 Mr Peter Allenby, Deputy City Engineer, Bathurst City Council
 Councillor Jo Ross, Bathurst City Council
 Mrs Monica Morse, Bathurst City Council
 Mr Peter Austen, Tourist Officer, Bathurst City Council
 Records Department Bathurst City Council

Mr. Patrick Navin, Bathurst City Council

14 Derby Street
Vaucluse 2030
ph/fax 337 4867
9 October 1995.

Mrs E. Taylor
Vice President, Sydney Division
I E Aust.

Dear Liz,

Plaquing on 5 November

Arrangements are proceeding and no doubt you saw the notice on page 11 of the latest edition of *Engineering Times*.

The venue is the park next to the old bridge. As you approach the Macquarie River from Kelso, it will be on your right with a take-off onto the old Great Western Highway. With all the flags and a marquee you can't miss it. Better allow 4 hours to get there, ceremony starts at noon.

My next task is to help you with speech notes, for which you will find the attached information useful. It has become customary for the I E Aust representative to mention 2 matters, The Institution (what it is and the contribution its members have made to society down the years) and the Plaquing Programme (its aims, what has been achieved and some examples of the breadth of plaqued works). You could add something that you think is relevant to the occasion eg. the increasing role of women in engineering.

The ceremony will follow the usual pattern of Introduction, Mayor of Bathurst as owner of the bridge, probably Justice Barry O'Keefe, President of the National Trust, yourself for I E Aust, declare the bridge to be an Historic Engineering Marker and invite your companion speakers to help unveil the plaque, photographs, refreshments.

Let know if there are any other details you require.

Regards,

To:- Patrick Navin
Bathurst City Council

From:- Don Fraser
Ph/fax 02 337 4867

Re the minutes of 11 Sept, item 7,
flags. Sample was sent to Peter
a while ago.

How many do you want?

When to be delivered?

Even though the event has been scaled
down a bit, it still looks like
being a show. ~~Hope~~ the weather
is good, better have an alternative
venue organised.

Regards

Don 24/9/95

14 Derby Street
Vaucluse 2030
ph/fax 02 337 4867
15 September 1995.

Patrick Navin
Bathurst City Council.

Plaquing Denison Bridge

INFORMATION
FAX
POSTAGE TO
FOLLOW

Don

Thank you for your fax of the 12th.

As a general rule, media releases are arranged by the Ceremony Committee at the local level and if successful, copies of the printed item is included in the Ceremony Report.

Although I see every Nomination Report, the Ceremony Reports go direct to Canberra to be placed on the file. So, I only have media items and Ceremony Reports that I have been personally dealt with. Samples of these are attached for your guidance. *← posted today*

Council's copy of the original Heritage Study has all the basic information suitable for a media release. It's a matter of supplying enough for a useful sized article and hope they publish it in total, or if editorial constraints apply then at least the basics are printed.

Local newspapers usually respond with good coverage, as do local TV stations, but national newspapers and TV are much harder to crack.

I hope the material proves useful.

Could you give me an up to date summary after you next meeting on 25th. I'll prepare speech notes for our representative, Liz Taylor, dealing mainly with the engineering profession, contribution to society over last 100 years or so, history and the plaquing programme.

President of National Trust, Justice Barry O'Keefe, will be attending, so make time in the ceremony programme for him to say a few words.

Regards,

Don

Don,

The following is a summary of the situation:

1. Received plaque 10/8/95
2. Rob McLachlan has written to the National Trust Quarterly and secured a notice in the October issue. He has also confirmed that he will be, with the assistance of his students, producing 2 brochures, 1 on the Engineering Heritage of Bathurst, and 2 on the History of the Denison Bridge.
3. The Ceremony will start at 12:00 midday, on Sunday, 5 November, 1995. This will allow for the Sausage Sizzle and time to go on a self tour around Bathurst
4. Finalisation of ceremony procedure will take place at the next meeting and allocation of duties to committee members will take place.
5. Invitations will be forwarded in the very near future.
6. There will be no formalised tour of Historic Places within Bathurst due to the National Trust Women's Group having activities on the same weekend, which rules out visiting Miss Trails House, considered to be of major heritage significance.

Anything else that you may need information on please do not hesitate to phone me on 063 336 295.

Your faithfully

A handwritten signature in cursive script, appearing to read 'Patrick Navin', written in dark ink.

Patrick Navin

Marie Metzke,
RAHS

*GALA DAYS
FOR ENGINEERING HERITAGE*

FOR YOUR DIARY

The following plaquing events are planned
for November by the Institution of
Engineers, Australia.

At Bathurst - Sunday 5th

Noon The 1870 Denison Bridge over the
Macquarie River.

At Henty - Saturday 11th

9.30am The 1914 Headlie Taylor Header.

At Wagga Wagga - Saturday 11th

12.15pm The 1881 railway lattice bridge
and 1901 viaducts.

12.45pm Unveil plaque as XPT passes
onto the viaduct.

At North Wagga Wagga - Saturday 11th

2.30pm Procession to Hampden Bridge.

3.00pm Re-enactment of opening
ceremony 100 years ago.

Wagga Wagga venue - Saturday 11th

7.30pm Celebration dinner, self pay.

More details will be in the next notice.

Contact:- Don Fraser (02) 337 4867

Don Fraser
4/8/95

To :- Patrick Navin
Bathurst City Council.

From:- Don Fraser
ph/fax 02 337 4867.

25 July 1995

Plaquing Denison Bridge

The following invitations have been sent by me on behalf of the Ceremony Committee,

National Trust

The Hon B S J O'Keefe AM QC, President
Richard Mackay, Director
Ms Elsa Atkin, Executive Director
Stephen Davies, Director Conservation.

Department of Urban Affairs and Planning

Mrs Gabrielle Kibble, Director-General

Roads and Traffic Authority

Ray Wedgwood, Chief Bridges Engineer

Irwin Johnston & Partners

Brian Adams, Associate Director

The Institution of Engineers, Australia

Mrs Liz Taylor, Senior Vice-President, Sydney Division.

Acceptances have been received from The Hon B S J O'Keefe, Ray Wedgwood and Liz Taylor who will be the Institution's official representative for the plaquing ceremony.

An apology has been received from Mrs Kibble.

The Institution values highly its links with The National Trust and we are aware of the strong presence of the Trust in Bathurst, so we would ask the Ceremony Committee to consider making space among the speakers for Mr Justice O'Keefe.

Arrangements have been made for the event on 5 November to be advertised in the Institution's two in-house publications that are distributed to all members, which together with Robin McLachlan's contact with the National Trust Quarterly and local newspaper reports will ensure a wide coverage of the coming event.

So, we are all GO! for Sunday, November 5th. We hope the matter of appointing a Co-Ordinator from Council does not delay other arrangements. Details should be firming up by the end of August.

Make sure we keep in touch,

Regards,

DEPARTMENT OF URBAN AFFAIRS AND PLANNING

Level 20
Governor Macquarie Tower
1 Farrer Place
SYDNEY NSW 2000

Tel: (02) 391.2207 Fax: (02) 391.2338

DIRECTOR-GENERAL

To:	Fax No.	337 4867	Date:	25 July 1995
Attention: Mr D J Fraser, The Institution of Engineers, Sydney Division				
Number of pages (including this page):				

From: Mary Pas, Executive Assistant to Director-General

Subject: Denison Bridge, Bathurst

Message: Thank you for your invitation to Mrs Gabrielle Kibble to attend the gala day planned by the Ceremony Committee on Sunday 5 November. Unfortunately due to a prior commitment, Mrs Kibble is unable to attend.

She wishes you every success for the day.

If this facsimile is illegible or incomplete, please contact this office immediately

14 Derby Street
Vaucluse 2030
ph/fax 337 4867
13 July 1995



SYDNEY DIVISION

Brian Adams
Associate Director
Irwin Johnston & Partners.

Denison Bridge, Bathurst

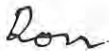
On Sunday 5th November at Noon, the Institution in collaboration with the Bathurst City Council will declare the 125-year old Denison Bridge to be an Historic Engineering Marker.

The bridge was the first in New South Wales to incorporate American Pratt trusses, which was a break with contemporary British technology, and the design by Gustavus Morell in 1865 contained many innovative details. Construction during 1868-70 was by the well known firm of P. N. Russell & Co. and the project proved the capabilities of colonial engineering skills. The bridge carried traffic of the Great Western Highway over the Macquarie River for 123 years until superseded by the new concrete bridge upstream.

A gala day is being planned by the Ceremony Committee, details to be advised soon.

Your attendance will be greatly appreciated.

Yours sincerely,



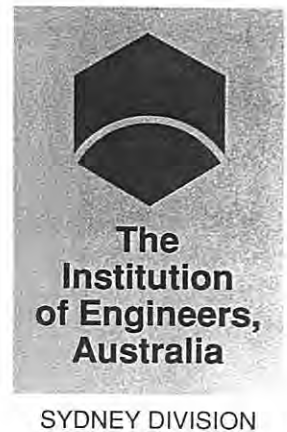
D. J. Fraser
Convenor, Plaquing Sub-committee.

Brian,
This is the invitation that you should have received. Thanks for alerting me to its non-arrival. The ceremony will start at noon followed by a sausage sizzle. Make it a family day. I hope you can join us. Regards Don 16/8/95

Peter Allenby,
Sample invitation for
Sydney-based people.
ADK? I will post them
at weekend Don

14 Derby Street
Vaucluse 2030
ph/fax 337 4867
12 July 1995

The Hon Justice Barry O'Keefe AM
President
National Trust of Australia (NSW)



Denison Bridge, Bathurst

On Sunday 5th November at Noon, the Institution in collaboration with the Bathurst City Council will declare the 125-year old Denison Bridge to be an Historic Engineering Marker.

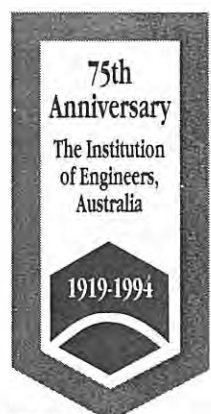
The bridge was the first in New South Wales to incorporate American Pratt trusses, which was a break with contemporary British technology, and the design by Gustavus Morell in 1865 contained many innovative details. Construction during 1868-70 was by the well known firm of P. N. Russell & Co. and the project proved the capabilities of colonial engineering skills. The bridge carried traffic of the Great Western Highway over the Macquarie River for 123 years until superseded by the new concrete bridge upstream.

A gala day is being planned by the Ceremony Committee, details to be advised soon.

Your attendance will be greatly appreciated.

Yours sincerely,

D. J. Fraser
Convenor, Plaquing Sub-committee.



19 June 1995



The General Manager,
Private Mail Bag 17,
BATHURST, NSW 2795

Attention – Mr. Peter Allenby – Your Ref PRA:KK:B08/07

Dear Mr. Allenby,

Re: Historic Engineering Marker, Denison Bridge, Bathurst

Thank you for your letter of 29th May regarding this bridge. I am pleased to advise that Mr. Michael Clarke, Chair of the Sydney Division Engineering Heritage Committee, has agreed to represent Sydney Division on your Ceremony Committee. In addition, I understand that Don Fraser, who is a member of our National Committee on Engineering Heritage is also available to serve your Committee.

Another of your Committee members, Graham Priddle, is currently a Councillor of IEAust. and is a Past Chairman of Sydney Division.

Sydney Division is pleased to support your very worthy efforts and wishes you all the best for a successful function in November.

Yours sincerely,

L. Davis

for. Stephen Branch,
President, Sydney Division.

cc: Michael Clarke
Don Fraser ✓
Graham Priddle

TELEPHONE: (063) 31 1622
FACSIMILE: (063) 31 7211



All Correspondence to
The General Manager
Private Mail Bag 17
BATHURST NSW 2795

*Deputy City
Engineer
Bathurst*

~~PRA:KK:B08/07~~

Our Ref: Mr Peter Allenby (063) 336-290

Your Ref:

Peter Gannon (063) 336 223

Mr S Branch
President
Institution of Engineers (Aust)
Eagle House
118 Alfred Street
MILSONS POINT NSW 2061

Dear Mr Branch

HISTORIC ENGINEERING MARKER.
DENISON BRIDGE, BATHURST

Council has received information that its application for an Historic Engineering Marker Award for the Denison Bridge has been approved by the Institution of Engineers' Heritage Committee.

To proceed to the actual Ceremony, which is anticipated to take place in November 1995, it is necessary to form a Ceremony Committee in order to plan for the event.

You are cordially invited to become a Member of the Committee as your input will be most valuable.

A Preliminary Meeting was held between Mr Graham Priddle, representing the Heritage Committee of the Institution of Engineers Australia, and Mr Peter Allenby, Council's Deputy City Engineer, on Friday, 26 May, 1995. A copy of the Minutes of that meeting are **attached** for your information.

Could you please advise of your acceptance, or otherwise to join the Committee.

The next meeting is to be held in the City Engineer's Department at 11.00am on Friday, 16 June, 1995.

*Don Fraser
Mike Clarke are involved*

Yours faithfully

C Pitkin
GENERAL MANAGER

FILE E1.
Stephen,
I will call them
this week to find out
whether they really do
need a further rep. or
need a further priddle
then Graham Priddle
29 May 1995
Is so we should
to Syd. Dir. Heritage
Committee OR Stewart
Charles,
I cannot attend.
How do you think we
should respond?
Nominations Michael Clarke
8/6/95

BATHURST CITY COUNCIL
MINUTES OF PRELIMINARY ENGINEERING
PLAQUING COMMITTEE FOR THE
DENISON BRIDGE, BATHURST
FRIDAY, 26 MAY, 1995

Present: Mr Graham Priddle, representing Heritage Committee of the Institution of Engineers Australia, and Mr Peter Allenby, Deputy City Engineer, Bathurst City Council.

1. The Engineering Heritage Committee of the Institution of Engineering Australia has approved an Historic Engineering Marker Award for the Denison Bridge over the Macquarie River at Bathurst, which was completed in 1870.

The Award will be conferred at a Plaquing Ceremony.

The Plaquing Ceremony should take place in November 1995.

2. A Plaquing Committee is to be formed, and that the following persons be invited to join the Organising Committee:
 - * An Elected Member of Bathurst City Council
 - * An Engineering Representative of Bathurst City Council
 - * A Representative from the Bathurst Historical Society
 - * A Representative of the Central West Group of Institution of Engineers Australia
 - * A Representative of the Sydney Division of the Institution of Engineers Australia
 - * A Representative of the Bathurst Branch of the National Trust
3. Mr Priddle tabled "Guide to the Australian Historic Engineering Plaquing Programme". This booklet indicates the procedures which should be carried out in organising the Plaquing Ceremony.

Council has the responsibility of overseeing arrangements for organising and financing the Plaquing Ceremony.

A suggested budget for this Programme is \$4,000. Expenses to cover the plaque, suitable mounting for the plaque, invitations, Ceremony expenditure, public address system, etc.
4. The next meeting to be held in the City Engineer's Department at 11.00am on Friday, 16 June, 1995.

Denison Bridge Plaque

at Bathurst City Council 11am 16 June 1995

Peter Allantay

Mike Clarke

Don Fraser

June ~~Wright~~ (Darke?)

Rob Mc ~~Loughlin~~ NT → Mc Lachlan

Graham Priddey I E Aust

Inder ~~Kirpalani~~ KIRPALANI Central West I E Aust

Mr Patrick Navin — Conservationist

✓ Post 4 copies of "Guidelines" to Allantay } DJF
for distribution to Plaque Committee.

Ceremony Date

Sunday 5 November
Time 12 - 2pm

Brochures

— Rob Mc ~~Loughlin~~ Lachlan
1. ~~Bathurst History~~
2. ~~Bathurst~~ Bathurst industry
Denison Bros

Display

— 1. Bathurst history & bridge
~~Bathurst~~ photographs

MC — I E Aust

Ceremony

— Mayor — re Bathurst heritage

Hist Soc — re Denison Bros

(*)

DJF

← I E Aust — re plaqueing prog + technical

Location

Berry Park — east side

Location of plaque

Birthday cake 125th

Unveiling in park
maybe installed on bridge during procession
by school children

IE Aust banner —

DJF

(sample posted 27/6/95)

75th Banners —

DJF to check
on poles Kabor side



Invitations

IE Aust —

DJF

State Gov —

City Council

Local members —

locally

State Minister (Heritage) —

locally

Mayor (Bathurst
{ Evans

locally

RTA —

RTA —

More-Wilton

Widgerson

PWD —

locally

Aust Her Comm —

DJF

(Banner) Heritage Council —

DJF

NT —

DJF

Charles Sturt Uni —

locally

Bathurst bodies —

locally

✓ Hist Soc —

✓

✓ NT —

✓

School children —

✓

Show Ground Trust
— locally.

Plaque words — DJF (✱)

Plaque supply — DJF (✱)

Deadlines

NT Quarterly	—	Rob McLaughlan
RAHS	—	Mike Clarke
Syd. Div	—	DJF
Local publicity	—	locally
Radio & TV	—	locally

Heritage Tour — June Darke

Entertainment — School band
Busk band

Costuming — DJF as Joe Denison
— school girls

Refreshments — Bathurst City Council
Lions Club
BBQ sausage sandwich

Plaques Booklet — ☒ send copy to Peter Allenby
☒ for use by Committee (✱)

FREIGHT RAIL



Facsimile Transmission

Locked Bag 90
Parramatta NSW 2124
8th Floor
126 Church Street
Parramatta NSW 2150
Tel: (02) 843 9401
Fax: (02) 843 9403

Date: 18/4/95

To: PETER ALLARDY

Fax No: 336115

From: GRAHAM FRIDDE

Fax No: 337284

Telephone No: 337309

No of Pages (including cover sheet): 2

Comments: PETER,

HERE IS THE LETTER THAT I RECEIVED LAST WEEK FROM DON FRAZER.

PLEASE COULD YOU ASK AN ELECTED MEMBER OF COUNCIL TO ATTEND THE (TWO?) MEETINGS BEFORE THE PLACING CEREMONY, NOMINALLY IN NOVEMBER 1995.

IT IS SUGGESTED THAT A GOOD TIME FOR THE FIRST MEETING WOULD BE AT 4 PM, FRIDAY 26 MAY, IN YOUR OFFICE.

PLEASE ADVISE IF THIS TIME IS UNACCEPTABLE TO YOU.

LOOKING FORWARD TO CATCHING UP WITH YOU AGAIN,

REGARDS

GRAHAM.

C.C. BATHURST HISTORICAL SOCIETY
SYDNEY DIVISION - LEAST
CENTRAL WEST GROUP - LEAST
D. FRAZER - ENG. HERITAGE COMMITTEE.

c/- 14 Derby Street
Vaucluse 2030
ph/fax 02 337 4867
31 March 1995

Graham Priddle
Councillor, I E Aust
297 George Street
BATHURST 2795.

Dear Graham,

Plaquing Denison Bridge

The 1870 Denison Bridge has been approved for an Historic Engineering Marker award, see attached copy of the confirming letter. The nomination has the full support of the Bathurst City Council who have engaged consulting engineers Irwin Johnston & Partners to advise on preservation and other structural matters.

It is now time to plan the plaque unveiling ceremony, which is why I am writing to you to ask that you be our organiser in conjunction with Deputy City Engineer, Peter Allenby; the Institution's Central West Group; the Bathurst Historical Society and other interested parties. I await your response before contacting Peter.

I normally organise plaquing ceremonies in and around Sydney but Bathurst is a bit far for the usual round of meetings. However, I will attend on a couple of key occasions such as the initial meeting and just before the ceremony, plus another if necessary. I am readily available by fax, in fact most of the arrangements for recent ceremonies proceeded that way anyway.

Also attached is a copy of the *Guide to The Australian Historic Engineering Plaquing Programme* in which pages 13 to 20 set out a well-tested procedure for the ceremony.

I would appreciate a call to discuss these and any other matters associated with the event.

Regards,

D. J. Fraser

Facsimile:

Date: 3 August 1995

Total no. pages
(including this one)

2

To: Michael Clarke, Chairman, Sydney Division Engineering Heritage Committee

Fax number: 02 519 1356 (Attn: Annie Clarke) 3/6/98

From: Robert Breen, Associate Director Engineering

Subject: TEXT OF DENISON PLAQUE



The
Institution
of Engineers,
Australia

NATIONAL OFFICE

Michael,

The last action we had on the Denison Bridge plaque was to send the agreed text to the manufacturer for the production of a bromide which was to be approved by us before manufacture - my fax dated 20 July refers.

In fact the manufacturer has produced the plaque without the approval step. A photocopy is attached for your consideration please.

Robert Breen

c.c. Paul Hagenbach, Chairman, National Committee on Engineering Heritage Auto
Dr Don Fraser, Convenor, Commemorative Plaque Sub-Committee 02 337 4867

⇒ Rob Breen,

*The plaque conforms to the agreed words
so I'm happy to accept it. Post it to
(unless someone else objects)*

*Peter Allenby
Deputy City Engineer
Bathurst City Council
Bathurst 2795*



HISTORIC ENGINEERING MARKER

DENISON BRIDGE, BATHURST

THE AMERICAN PRATT TRUSSES ON THIS BRIDGE WERE THE FIRST OF THEIR TYPE IN NEW SOUTH WALES, A BREAK FROM CONTEMPORARY BRITISH TECHNOLOGY. THE INNOVATIVE DESIGN OF THE BRIDGE WAS PREPARED IN 1865 BY PUBLIC WORKS DEPARTMENT ENGINEER GUSTAVUS MORELL AND CONSTRUCTION BY P N RUSSELL AND COMPANY TOOK PLACE DURING 1868-70. THE STRUCTURE* PROVED THE CAPABILITIES OF COLONIAL ENGINEERING SKILLS AND PROVIDED ACCESS FROM BATHURST AND WESTERN DISTRICTS TO SYDNEY FOR 123 YEARS.

DEDICATED BY

THE INSTITUTION OF ENGINEERS, AUSTRALIA

AND THE BATHURST CLEVELAND COUNCIL 1988

Facsimile:

Date:

Total no. pages
(including this one)



To:

Arrow Engraving and Foundry Co (Attention Customer Service)



The
Institution
of Engineers,
Australia

NATIONAL OFFICE

ax number:

(03) 553 2086

File: 3/6/98

From:

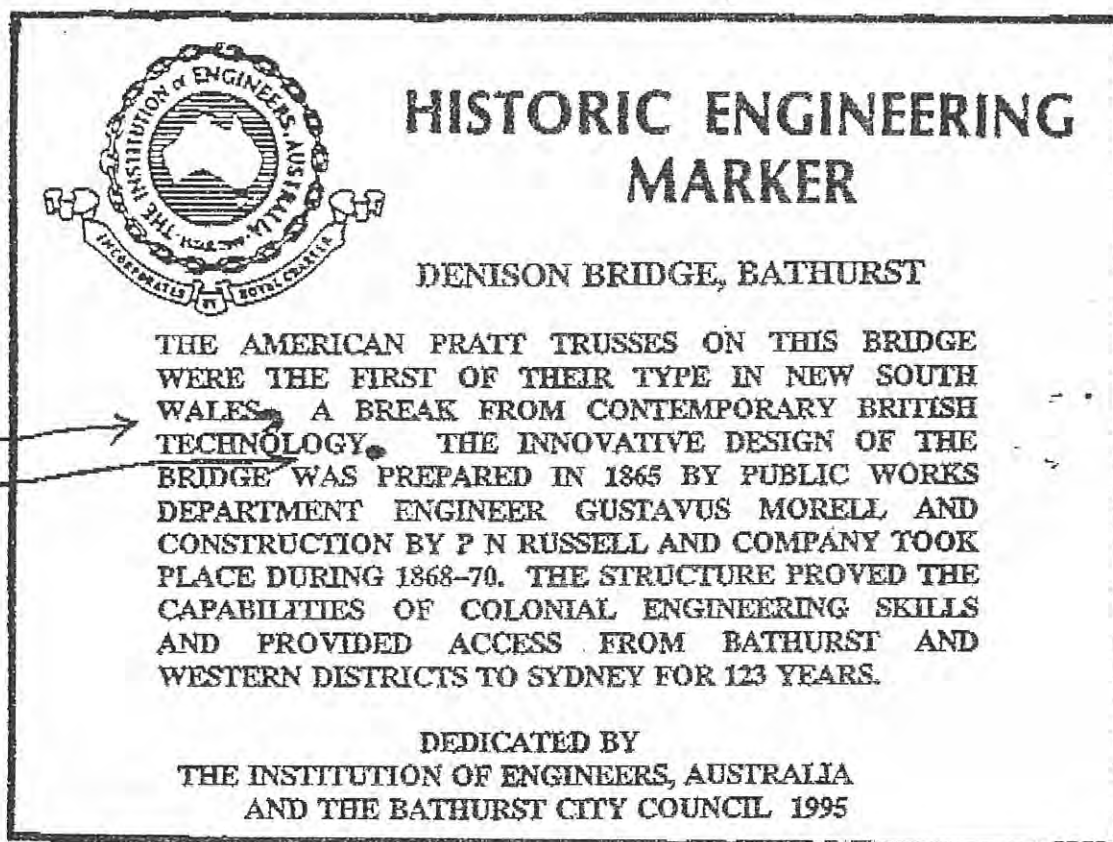
Robert Breen, Associate Director Engineering

Subject:

DESIGN, MANUFACTURE AND SUPPLY OF BRONZE PLAQUE

Please prepare a design for an Historic Engineering Marker plaque in accordance with the illustration shown below and forward the "bromide" to me for approval before manufacture.

This plaque will be required in time for unveiling in November 1995.



NOT TO
SCALE
OMMA
JUL STOP

12"

16"

Robert Breen
Executive Officer

c.c. Dr Don Fraser, Convenor, Commemorative Plaque Sub-Committee 02 337 4867

ARROW,
Please note the errors in my
earlier transmission. - Robert Breen.

Facsimile:

Date:

Total no. pages
(including this one)

To:

20 July 1995
Arrow Engraving and Foundry Co (Attention Customer Service)

Fax number:

(03) 553 2086

File: 3/6/98

From:

Robert Breen, Associate Director Engineering

Subject:

DESIGN, MANUFACTURE AND SUPPLY OF BRONZE PLAQUE

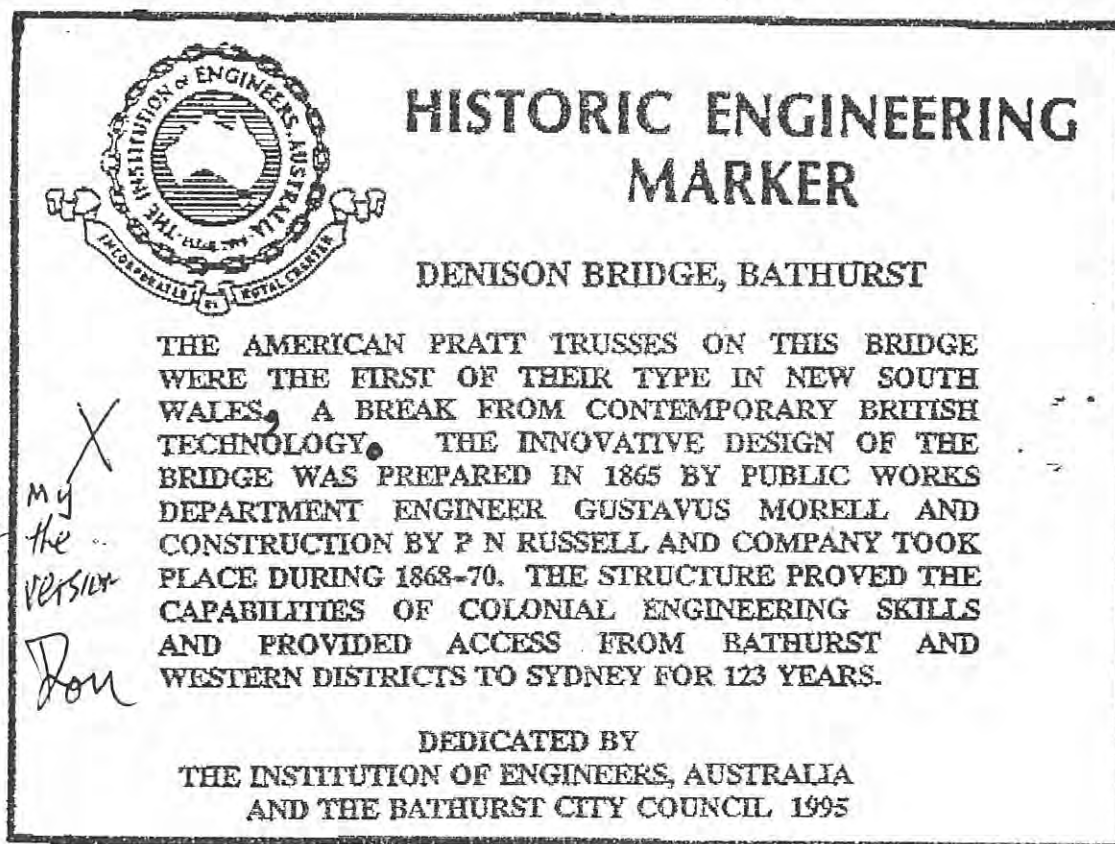


The
Institution
of Engineers,
Australia

NATIONAL OFFICE

Please prepare a design for an Historic Engineering Marker plaque in accordance with the illustration shown below and forward the "bromide" to me for approval before manufacture.

This plaque will be required in time for unveiling in November 1995.



NOT TO
SCALE

This is my
copy of the
agreed version

Don

12"

16"

Robert Breen
Executive Officer

c.c. Dr Don Fraser, Convenor, Commemorative Plaque Sub-Committee 02 337 4867

Deane Kemp
Ray Whitmore

Denison Bridge, word version 3 July 1995.

We are starting to go around in circles. Let's finalise it this week.

4 pm edition We are close enough to agreement.

Is the 2nd WERE necessary in first sentence ??

THE AMERICAN PRATT TRUSSES OF THIS BRIDGE WERE THE FIRST OF THEIR TYPE IN NEW SOUTH WALES AND WERE A BREAK FROM CONTEMPORARY BRITISH TECHNOLOGY. THE INNOVATIVE DESIGN WAS PREPARED IN 1865 BY PUBLIC WORKS DEPARTMENT ENGINEER GUSTAVUS MORELL AND THE BRIDGE WAS BUILT BY P N RUSSELL & CO DURING 1868-70. THE STRUCTURE PROVED THE CAPABILITIES OF COLONIAL ENGINEERING SKILLS AND PROVIDED ACCESS FROM BATHURST AND WESTERN DISTRICTS TO SYDNEY FOR 123 YEARS. (72 words or 71 without the 2nd WERE in first sentence)

Note that I have changed TRADITIONAL to CONTEMPORARY because in terms of the current bridge technology, Morell's design was a break from the dominance of two British designs, the heavy cellular girder (as at Menangle) and the popular open lattice girder (as at Wagga). Therefore 'current' or 'contemporary' is the more appropriate word whereas 'traditional' goes further back into masonry arches.

Regards,



Deane Kemp

Ray Whitmore

Rob Breen

Paul Hagenbach

Version 28 June 1995 following responses from Deane and Rob.

THE AMERICAN PRATT TRUSSES ON THIS BRIDGE ARE THE FIRST OF THEIR TYPE IN NEW SOUTH WALES AND WERE A BREAKAWAY FROM TRADITIONAL BRITISH TECHNOLOGY. THE 1865 DESIGN OF THE BRIDGE BY PUBLIC WORKS DEPARTMENT ENGINEER GUSTAVUS MORELL WAS INNOVATIVE AT THE TIME. IT WAS BUILT DURING 1868-70 BY P N RUSSELL & CO. AND PROVED THE CAPABILITIES OF COLONIAL ENGINEERING SKILLS. THE BRIDGE PROVIDED ACCESS FROM BATHURST AND WESTERN DISTRICTS TO SYDNEY FOR 123 YEARS.

(74 words)

"AMERICAN" would generally be taken as an adjective rather than the supply source of the bridge.

"GUSTAVUS" is correct. It's in the Obituary in the nomination report.

"DURING 1868-70" is concise and rolls off the tongue easier.

Local engineering skills really refers to colonial New South Wales in competition with imported British bridges, hence the change to "COLONIAL".

"123 YEARS" is appropriate because all traffic uses the new prestressed concrete bridge a short distance upstream. The Denison Bridge is now a heritage relic.

Regards,

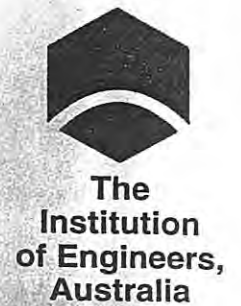


Chairman
Dr Tom Connor FIE Aust CP Eng

3/6/98

13 February 1995

Mr I G Bowie
Chairman, Engineering Heritage Committee
Sydney Division
The Institution of Engineers, Australia
118 Alfred Street
MILSONS POINT NSW 2061



BOARD OF ENGINEERING

Dear Ian

**Nomination for Historic Engineering Marker Plaque
Denison Bridge, Bathurst**

I am pleased to advise that your nomination of Denison Bridge, Bathurst for a Historic Engineering Marker award has been approved.

The Commemorative Plaque Sub-Committee of the National Committee on Engineering Heritage is drafting revised wording for the plaque. This will be forwarded to you in the near future for your consideration.

Yours faithfully,

Secretary
Commemorative Plaque Sub-Committee

c.c, Chairman, Board of Engineering
Chairman, National Committee on Engineering Heritage
Members, Commemorative Plaque Sub-Committee